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ENVIRONMENTAL PRIORITIES INITIATIVE
PRELIMINARY ASSESSMENT
OF THE
MCCORMICK PAINT WORKS COMPANY
ROCKVILLE, MARYLAND

(MD-398)

APRIL, 1992

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1.0 INTRODUCTION

1.1 AUTHORIZATION

The Maryland Department of the Environment, Hazardous and Solid Waste Management Administration (MDE/HSWMA) performed this study under U. S. Environmental Protection Agency (USEPA) Cooperative Agreement No. V-003577-01-0.

1.2 SCOPE OF WORK

The MDE/HSWMA was contracted to perform this Environmental Priorities Initiative - Preliminary Assessment (EPI-PA) of the McCormick Paint Works Company (MPWC) site (MD-398) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The potential for the release of hazardous waste from the site is studied; and the consequent potential for exposure by means of migration through the groundwater, surface water and air pathways and direct exposure to the soil is evaluated. The populations and sensitive environments which are located along the potential exposure pathways are then described.

1.3 EXECUTIVE SUMMARY

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The McCormick Paint Works Company (MPWC) site, which is approximately 1.6-acres, is located in the southeastern corner of Rockville, Maryland in an area that is primarily residential but also includes commercial businesses. It is privately owned, employs fewer than 100 employees at the Rockville location, and has been manufacturing water (90-93%) and oil/solvent-based (7-10%) paint products since 1967. Major structures on the site include offices, four warehouses, a manufacturing plant, testing laboratories, a repair and maintenance shop, three underground storage tanks, a drum storage yard, and an open yard and parking lot, the latter two of which are fenced.

Hazardous waste consisting of a spent solvent (mineral spirits)/paint sludge mixture is generated during the cleaning of mixing tanks used to make oil/solvent-based paints. The mixture is separated by settling, and the spent solvent decanted off and used to make oil/solvent based paints and stains. This solvent recycling practice has occurred throughout the Company's operating history.

From 1983-1990, the spent sludge was solidified and shipped off-site to an approved hazardous waste disposal facility. Since 1990, the MPWC has used the spent sludge to make paint products.

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Four Solid Waste Management Units (SWMUs) were identified at the MPWC site: (1) A Satellite Accumulation Area for spent solvents/sludges located in the lower level of the manufacturing plant; (2) Fenced Drum Storage Yard; (3) Warehouse 3, including a Recycled Solvent Storage Area; and (4) Fenced Open Yard and Parking Lot.

Before 1990, drums of spent solvent and sludge were stored in all of these SWMUs periodically. Currently, the only significant quantities of hazardous wastes present on-site are 3-55 gallon drums of spent solvent/sludge kept in SWMU1. These wastes are generally stored for less than three days before they are used to make a batch of paint or stain.

Another waste produced during paint manufacture is a mixture of titanium dioxide and clay dust. Although not regulated under CERCLA or the Resource Recovery Conservation Act (RCRA), titaniumdioxide may be toxic to humans. The MPWC has always recycled these dusts back through its manufacturing processes.

There are three underground storage tanks located in SWMU-2 that were installed in 1967. These tanks contain ethylene glycol, mineral spirits, and ester alcohol, and have never been inspected, so that their condition is perhaps unknown. The MPWC plans to replace these tanks in 1992.

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The majority of the 153,223 people (99.8%) within a four mile radius of the site, as well as the MPWC employees, receive potable water from two municipal systems, the Washington Suburban Sanitary Commission (WSSC) and the Rockville Department of Public Works (DPW). These systems draw water from intakes located on the Potomac and/or Patuxent Rivers, which are not on the surface water pathway for the site. About 335 people obtain drinking water from 129 private domestic wells located over two miles from the site.

The surface water runoff route from the site is northeast both overland and through storm drains to Rock Creek, which is about 0.85 mile away. The entire 15-mile surface water pathway is along Rock Creek, which flows at a rate of 10-100 cubic feet per second (cfs) and is used for recreational fishing. About 1.8 stream miles of palustrine forested wetland frontage are present along the pathway. The length of the surface water pathway that occurs in Washington, DC is a National Park.

There are six homes located within 200 feet of the eastern perimeter of SWMU-4. However, up to 1990, when this SWMU was active, most wastes were stored on its western side. The SWMU is paved with concrete, and is not suspected of being contaminated with hazardous wastes. There are no schools or day care centers within 200 feet of any SWMUs. The western and northern perimeters of the MPWC property are fenced, the site is equipped

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with a 24-hour alarm system, and the buildings and entrance gate are kept locked after working hours, all of which discourage unauthorized individuals from entering the property.

No major spills of hazardous wastes are known to have occurred during the MPWC's operating history. This coupled with the Comapny's past and present waste handling, disposal, and recycling practices, have reduced the potential for releases of hazardous wastes to the environment.

2.0 SITE DESCRIPTION

The McCormick Paint Works Company (MPWC) site is located in Montgomery County at 2355 Lewis Avenue, Rockville, Maryland in a mixed residential and commercial area. It is situated at 39°3'52" north latitude by 77°7'21" west longitude on the Kensington, MD 7.5 minute U.S. Geological Survey (USGS) topographic quadrangle map.⁷ The Maryland Grid Coordinates of the site are 448,700 feet north by 765,250 feet east.

To reach the site from Baltimore, proceed south on Interstate-95, then west on the Capitol Beltway (Interstate-495) to the Rockville Pike exit (Route 355). Proceed north on Rockville Pike for approximately 4.6 miles and turn right onto Edmonston Drive. Go one block to Lewis Avenue and turn right; the plant is located approximately 0.9 miles on the right side.

The 1.6-acre MPWC site is currently active as a paint manufactory. This acreage includes the areas of Warehouses 3 and 4, which are leased (Section 2.1).

Major structures on the site include a two-level manufacturing plant, four warehouses, a loading dock, testing laboratories, a repair and maintenance shop, offices, and a sales showroom for the Company's products (Figure 3). Also present are a drum storage yard, where three underground storage tanks and a

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titanium dioxide dust collection unit are located, and a larger yard and parking area, both of which are outdoors and fenced. The property is fenced along the western and northern perimeters, and excluding the drum storage yard, the entire site is covered with asphalt or concrete (Figure 3).

Small commercial businesses are located immediately north and south of the site. To the east, directly across Lewis Avenue, is a residential area. Twinbrook Elementary School is situated about 1500 feet northeast of the site. The Baltimore and Ohio (B&O) railroad tracks run adjacent to and less than 100 feet uphill of the western perimeter of the site. Paralleling the B&O tracks are Metroliner tracks; immediately west of these tracks are more small businesses.

The terrain under the site has a slope of 0-1% that increases to approximately 3.0% to the northeast. The surface water runoff route from the site is overland and through storm drains northeast to Rock Creek, which is about 0.85 mile (4,488 feet) away.

Hazardous wastes, primarily spent solvents and sludges, have been generated on-site since 1967 when the plant began operations. However, the MPWC ceased off-site shipment of all wastes in 1990.

Wastes produced from paint production and associated activities are currently kept on the first level of the manufacturing plant (spent solvents and sludges) and in the drum storage yard (titanium dioxide dust). These wastes are eventually reused in the manufacture of paints and stains (Sections 3.0 and 3.1).

2.1 SITE OWNERSHIP AND SITE USE

The site property is currently owned by Thomas P. McCormick, President of the MPWC, who purchased it in 1966. All of the site is owned by the MPWC, except for Warehouses 3 and 4, which are leased. A more complete site ownership history is given in Appendix A.

The MPWC has been manufacturing and distributing paint and related products since 1967. Currently, the Company manufactures an estimated 4,500 gallons of paint per day ²⁶. Of this amount, approximately 90-93% is water-based and 7-10% is oil/solvent-based paint.² The Company operates one shift and employs less than 100 people at the Rockville location.

The plant uses about 100 raw materials in its manufacturing processes, including titanium dioxide, calcium carbonate, aluminum silicate, water-based emulsions, alkyd resin, linseed oil, zinc oxide, mineral spirits, and ethylene glycol.^{11,26}

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Certain bulk solvents, pigments, resins, and other chemicals are delivered by tanker trucks and gravity-fed to 6 above-ground storage tanks in the manufacturing plant, or to three underground storage tanks in the drum storage yard. Mineral spirits, ethylene glycol, and ester alcohol ("Texanol") (Appendix B) are stored in these tanks (Section 2.4); any excess material is usually drummed and taken to the plant to be used first. Ethylene glycol is used to make water-based paint, and ester alcohol and mineral spirits are used in oil/solvent-based paint.

Materials that are temperature resistant such as certain oils, alkyd resin, naptha, and mineral spirits may be kept in the drum storage yard along the western side of the fence. Other raw materials, including dry pigments, extenders, clays, and additives are stored in Warehouse 3.² Warehouses 1,2, and 4 are used to store finished paint products.¹⁷

Wastes generated at the site include spent solvent (mineral spirits) and sludge produced from cleaning certain paint mixing tanks in the plant, and a titanium dioxide dust resulting from paint manufacture. More information on the current and historical methods of handling, storing, and disposing of these wastes is contained in Sections 3.0 and 3.1.

No major spills of hazardous wastes are known to have occurred during the MPWC's operating history.^{17,26} The Company

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has procedures for handling any spills or releases in its Contingency Plan.

The MPWC is located in a predominantly residential area. This area also includes some small commercial businesses adjacent to the site's northern and southern perimeters, and opposite the railroad tracks that parallel the western perimeter.

2.3 PERMIT AND REGULATORY ACTIONS

On July 29, 1980, the MPWC was issued an EPA identification number (MDD00003248275) under the federal Resource Conservation and Recovery Act (RCRA) and the Code of Maryland Regulations (COMAR) as a Controlled Hazardous Substances (CHS) generator. The Company shipped hazardous waste offsite to an approved disposal facility from 1983 to 1990.³ (Appendix C).

A RCRA Incident Report dated December 14, 1983 was submitted to the MPWC. Fifteen empty drums marked with the Company's hazardous waste labels were found off of Snouffer School Road near Gaithersburg. Upon investigation, it was determined that the drums had been donated to Kettler Brothers Contractors for non-hazardous uses, and that they were empty when given. Evidently the hazardous waste labels simply had not been removed before the empty drums were donated. No violations of federal or state environmental regulations were indicated (Appendix D).

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A RCRA Enforcement Inspection was conducted at the MPWC by the MDE/HSWMA on December 27, 1990.³ The inspector determined that the MPWC (1) lacked a contingency plan and emergency procedures; (2) lacked a training program for handling hazardous wastes; (3) was storing hazardous spent solvents and sludges that were being held for recycling in the drum storage yard, which was not impervious and lacked secondary containment; (4) that the Company had not demonstrated that there was a market for the paint products manufactured from the spent solvent/sludge; and (5) that open five gallon cans containing hazardous waste solvent were present. In response to Item 3, the MPWC constructed a concrete diked area in Warehouse 3 for storage of spent solvents in January, 1991. A follow-up inspection performed on January 28, 1991 concluded that the MPWC was following all applicable COMAR/CHS regulations (Appendix D).

The MPWC was inspected by the MDE/Air Management Administration in May and October, 1988, and February, 1989, and found to be in compliance with all relevant regulations.¹¹

Currently, the Company has no federal or state environmental permits.¹⁷

2.4 REMEDIAL ACTIONS

To date, no remedial actions under CERCLA are known to have taken place at the MPWC site. To the best of the Company's knowledge, no major spills of hazardous waste have occurred at the site during its operating history.^{17,26}

In the drum storage yard, there are three underground storage tanks; two have a 1,000 gallon and one a 6,000 gallon capacity. Mineral spirits are kept in the 6,000 gallon tank, and ester alcohol and ethylene glycol are stored in the other two. These tanks were installed in 1967 and have not been inspected.²⁶

The MPWC plans to replace these tanks in 1992. The new tanks will be equipped with measuring probes and leak detectors, and a monitoring panel will be installed in the Environmental Safety and Health Coordinator's office.^{16,17}

3.0 WASTE DESCRIPTIONS

The MPWC has been a paint manufactory and generator of hazardous wastes for 25 years. Hazardous waste present at the site is a mixture of spent solvent (mineral spirits) and paint sludge produced from the cleaning of oil/solvent-based paint mixing tanks. No solvents other than mineral spirits are used. An estimated 5,000 - 6,000 gallons of spent solvent/sludge are generated annually.²

Additionally, a mixture of titanium dioxide (up to 30%) and clay dust is produced during the manufacture of paint. Although not classified as a hazardous waste under CERCLA or RCRA regulations, titanium dioxide has an Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) of 15 milligrams per cubic meter, and if inhaled may cause slight lung fibrosis.¹⁸ Approximately 6,000 pounds of dust are generated annually.²

Before February, 1991, the MPWC collected and stored the spent solvents in 55-gallon drums in Warehouse 3, the drum storage yard, or the satellite accumulation area in the manufacturing plant (Section 3.1) In response to a RCRA Inspection in December, 1990, the Company constructed a concrete diked area in Warehouse 3 for the storage of spent solvents (Section 2.3).

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Hazardous Waste Annual Reports are available for 1983-1990 and are included in Appendix C. No hazardous wastes were shipped off-site for disposal from August, 1990 through 1991.

From 1967-1982, the spent solvents and paint sludges were separated by natural settling. The spent sludge was solidified with clay and stored onsite; in 1983 the accumulated sludge was disposed of as a waste flammable material at an approved hazardous waste landfill. From mid-1984 to August, 1990, shipments of this kind of material were made at least every 90 days.³

From 1967-1990, most of the spent solvent was decanted off after settling and reused in the paint manufacturing process. The spent solvents were used to make exterior wood stains, and different oil/solvent-based paints, depending on the "color" of the solvent (Subsection 3.1.1). The only years that some spent solvents were shipped for offsite disposal were 1986 and 1990, presumably because there were some quantities that were not reusable.

Since August, 1990, the plant has been using the spent sludge in its manufacturing processes. After separation from the solvents, the sludges are used to produce a gray paint that is used in-plant, and a redoxide primer that is sold commercially.² (Appendix D).

In 1983 and 1984, hazardous waste solids containing mercury were shipped for offsite disposal. Up to 1984, mercury was used as a preservative in water-based paints. Wastes containing mercury were formerly stored in Warehouse 3.²

Titanium dioxide and clay dust generated from paint production on both levels of the plant is suctioned through pipes by a dust collection unit located in the drum storage yard into 3-55 gallon drums with sealed covers. The dust is kept in the drum storage yard until it is needed to make a batch of paint. The MPWC has always recycled this dust throughout its entire operating history.

Small quantities of hazardous wastes are generated in the testing laboratories and the Spray Department. These wastes are reused in a manufacturing process.

The MPWC plant contains a tank for collection of wastewater from cleaning the water-based paint mixing tanks that is located on the upper level of the plant. This wastewater is recycled back through the manufacturing processes.

Used motor oil and antifreeze from the maintenance of vehicles were generated at the plant until 1991. These wastes were typically picked up by local gas stations or shipped off-site for disposal. The last shipment of waste oil was made on

January 31, 1991, and no vehicle maintenance producing wastes has been done on-site since then.^{2,3}

3.1 SOLID WASTE MANAGEMENT UNITS (SWMUs)

Four SWMUs have been identified at the MPWC site which are shown on Figure 3 and described in the following subsections.

3.1.1 SWMU1 - Satellite Accumulation Area

This SWMU is located on the first level of the manufacturing plant, and currently includes 3-55 gallon drums for the collection of spent solvent and sludge generated during the cleaning of oil/solvent-based paint mixing tanks. The tanks on the first level are portable and can be moved directly to the SWMU to be emptied. Spent solvent/sludge from the tanks on the second level of the plant is drained through pipes in the ceiling into 5-gallon containers and then transferred to the drums.

Each of the three drums contains either "clear," "white," or "colored" spent solvent, which is separated from the sludge and used to make different kinds and colors of paint products. The MPWC has reused most of its spent solvent throughout its operating history. The spent sludge has also been used as a raw material since August, 1990 (Section 3.0).

The spent solvents are held in sealed drums in this SWMU for 1-3 days before being used to make paints and stains. The floor of the unit is concrete, and there are no records of any spills.

This SWMU has been active since manufacturing began in 1967, and there are no plans for closure. Before February 1991, more than three drums of spent solvent/sludge were kept in this unit.

3.1.2 SWMU2 - Drum Storage Yard

The drum storage yard is fenced and located outdoors behind the manufacturing plant on the western side of the property. It is approximately 143'x 29' (4147 ft.²) and is covered with a gravel-like material that is not impervious.

From 1967 to 1991, drums of spent solvent and sludge were stored on the northern side of this SWMU.²⁶ Since then, no hazardous wastes regulated under CERCLA or RCRA are known to have been stored in the unit.

Drums of raw materials, empty drums, the titanium dioxide dust collection unit and drums, and the underground storage tanks containing ethylene glycol, ester alcohol, and mineral spirits are presently located here.

This SWMU has never had any secondary containment. However, no major spills are known to have occurred here.

3.1.3 SWMU3 Warehouse 3 - Recycled Solvent Storage Area

The MPWC began leasing Warehouse 3, which is approximately 4,500 ft.² in 1978.²⁶ From 1978 to 1991, hazardous spent solvents and sludges were stored here periodically. Also stored here through 1984 were hazardous waste solids containing mercury.

A recycled solvent storage area was constructed in January, 1991 on the northern side of Warehouse 3 in response to a RCRA inspection in 1990. It is a concrete diked structure that is 14' long, 5' wide, and 16" high, and has a 36 drum storage capacity (Appendix E).³

This storage area would be used to hold any drums of spent solvent that for some reason could not be recycled into a manufacturing process. Any such drums would eventually be shipped offsite for disposal at an approved hazardous waste facility.

No hazardous wastes were kept in this storage area in 1991, and none are being stored here at present. There are no plans for closure of this SWMU. During the site visit on October 25, 1991, 9-55 gallon drums of oil/solvent-based paint were

incorrectly being stored in this unit. On a second site visit on March 23, 1992, the storage area was empty.

Currently, only raw materials are being kept in Warehouse 3.²⁶

3.1.4 SWMU4 - Fenced Open Yard and Parking Lot

The western side of this unit (5,751 ft.²) was used from about 1983 through August, 1990 as a temporary storage area for drums of hazardous waste awaiting transport offsite for disposal. The wastes were moved here from the other SWMUs so that they could be picked up by the trucks removing them from the site. Usually, wastes were kept here for no more than 24 hours.² 2

A few 55-gallon drums used to collect spent solvent from cleaning of manufacturing equipment being repaired in the Spray Department were also formerly kept in this SWMU (Figure 3). This practice has been discontinued.²⁶

The entire SWMU is approximately 15,176 ft.² and is paved with concrete. Only empty 55-gallon drums are being stored here at present. There was no evidence of contamination of this SWMU with hazardous waste.²⁶

4.0 SPECIAL CHARACTERISTICS

The average annual precipitation at the MPWC site area is approximately 40 inches and the mean annual lake evaporation is about 34 inches.⁹ The average annual net precipitation is therefore 6 inches. The 2-year, 24-hour rainfall is approximately 3.4 inches.

Soil in the vicinity of the site is Glenelg Series silt loam with slopes which vary from 3 to 8% (Figure 6).¹² The Glenelg Series consists of moderately well-drained soils that developed from materials weathered from mica schist or, in some places, from granitized schist or gneiss. These soils have a well-developed textural subsoil that is substantially finer in texture than the surface soil layer. A typical profile of Glenelg silt loam included 0-8 inches of dark brown, subangular blocky to coarse, friable, crumb structure surface soil (A-Horizon). Flakes of mica and fragments of channery phyllite or schist are abundant. The boundary with the underlying subsoil is abrupt and smooth. The surface soil is strongly acidic.

The upper subsoil layer consists of 8-20 inches of yellowish-red channery, silty, clay loam with fine, subangular, blocky structure; friable when moist and plastic when wet. Rootlets are fairly common and there are continuous clay skins in the root channels. The next subsoil layer extends from 20 to 37

inches and consists of partially weathered parent rock material in a matrix of yellowish-red, micaceous, silt loam. Approximately 50% of this layer consists of partially weathered rock fragments. From 37 to 62 inches, weathered to partially weathered parent rock fragments predominate with only minor amounts of soil. Below 62 inches the parent rock may be largely unweathered.

The entire Glenelg soil profile is acidic, with pH values ranging from 5.0 to 6.0. Acidity increases with depth in these soils. Hydraulic conductivity ranges from 10^{-3} to 10^{-4} centimeters per second (cm/sec).¹²

4.1 GROUNDWATER AND GEOLOGY CONSIDERATIONS

The MPWC site is situated in the east-central portion of the Piedmont physiographic province, approximately 10 miles west of the Fall Line. The Piedmont Province is composed of igneous and metasedimentary rocks which have been tightly folded, intruded by granitic and mafic igneous rocks, and metamorphosed during the Appalachian Orogeny. These rocks have subsequently been uplifted and truncated by erosion to their present state. The regional structural lineation and fold axes trend in a north-south direction in this area of the Piedmont. The strata are steeply inclined, with dips ranging from 70° to 90° .¹³

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Crystalline rocks which comprise the Piedmont Province have been exposed at the surface for many millions of years. The upper portion of these exposed rocks has been subjected to physical and chemical weathering processes which have produced a soil-like alteration product called saprolite. Essentially all exposed crystalline rocks in the Piedmont are covered by a mantle of saprolite which varies from 5 to 100 feet in thickness. The saprolite retains some properties of the original parent rock (i.e. bedding, fractures, schistosity, foliation, etc.). Many of the more soluble chemical constituents in the original parent rock have been leached out or altered by groundwater. The intensity of this weathering process generally decreases with depth and the saprolite grades into unaltered bedrock. The weathering process is accelerated in fractures, bedding planes, joints, etc. where the groundwater moves freely through the rock. Saprolite zones are thickest in topographically high areas, and in rocks which are intensely fractured. Saprolite zones will thicken and thin locally in direct response to the presence of fractures.

Saprolites are excellent aquifers. The primary factors which determine the efficiency of a saprolite aquifer are: original parent rock type, degree of fracturing of parent rock, thickness, and topographic position. Saprolites also function as storage reservoirs for groundwater which may be transmitted to the deeper unaltered crystalline bedrock aquifers through

fractures. The permeability within these bedrock aquifers occurs almost exclusively along fractures, bedding planes, and regional joint systems. These features are the conduits for groundwater infiltration from the saprolite to the unaltered crystalline bedrock aquifers below.

In the vicinity of the site, the Wissahickon Formation is the crystalline bedrock aquifer beneath the soil profile and saprolite zone. The Wissahickon Formation is composed of banded to laminated, quartz-rich phyllites and schists with accessory magnetite and garnets. Metamorphosed sandstone and conglomerate beds containing muscovite, chlorite, albite, and quartz are interbedded throughout, but are more common in the upper half of the stratigraphic section. Amphibole, commonly with accessory epidote, occurs as concordant layers ranging in thickness from 4 inches to over 75 feet. The amphibole comprises less than 1% of the total stratigraphic section in the Wissahickon, which is estimated to be 14,000 feet or more in thickness. This stratigraphic section has also been referred to as the "Upper Pelitic Schist" and the "Albite Facies" of the Wissahickon Formation.

The contact between the Wissahickon and the Sykesville Formation occurs approximately 0.3 mile east of the site (Figure 5). The Sykesville consists of poorly-foliated to massive, medium grained, biotite-plagioclase-quartz gneiss, which looks

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deceptively like granite in appearance. The gneiss contains numerous clasts ranging in size from granules to cobbles and some larger slabs. The clasts are composed of chloritized biotite schist, quartz pebbles and granules, and quartzo-feldspathic rock fragments. This formation has been referred to as the Boulder Gneiss.¹⁴ The Sykesville Formation also contains an intensely foliated schist member which is finer-grained than the boulder gneiss. The schist member is locally devoid of clasts, commonly garnetiferous, and contains abundant muscovite.

Within the Sykesville Formation, linear exposures of basic intrusive igneous rocks occur in a north-south alignment, which may represent the trace of a fault, or major fracture zone, or zone of tensional stress (Figure 5). There are no Karst aquifers within a four-mile radius of the site.

Domestic wells in the vicinity of the site range from 70 to 340 feet in depth. These wells tap bedrock aquifers which produce from fractures in the Wissahickon and Sykesville Formations. The nearest well is approximately 2.18 miles southwest of the site near Gainsborough Road in Willerburn Acres.^{4,8} The static water level in this well was originally 37 feet and the pumping rate during the test was 4 gallons per minute (gpm). This well draws from the Wissahickon Formation and was completed open hole from 42 to 125 feet. No domestic wells could be located within a two mile radius of the site.

Approximately 129 domestic wells have been drilled since 1969 within a 4-mile radius of the site. It is not known how many of these wells are still in use today.

The depth to the aquifer is estimated to be less than 50 feet, although there are no wells known to be present within two miles of the site to confirm this.

There are no municipal wells within a four-mile radius of the site.⁵

4.2 SURFACE WATER CONSIDERATIONS

The probable point of entry (ppe) to surface water is on Rock Creek, which is about 0.85 mile (4,488 feet) from the manufacturing plant. The surface water runoff route is northeast through a private residential area toward the Creek and is as follows: 1,000 feet overland; 1,400 feet through storm drains; and 2,088 feet overland to the ppe. There are no runoff controls, and there is no vegetation on the MPWC site. Although it is unknown if there is any stressed vegetation along the remainder of the runoff route, it is unlikely, based on the Company's waste handling practices and the fact that no major spills are known to have occurred.

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The drainage area for the MPWC site is small. The area upgradient of the site is adjacent to the western perimeter of the property. Water would flow downhill to the site, and then follow the runoff route described above.

The entire 15-mile surface water pathway is along Rock Creek (Figure 7); 10.6 stream miles are in Montgomery County, and 4.4 stream miles are in Washington, D.C.⁷ From the ppe, the Creek flows southeasterly to the Maryland-District of Columbia (D.C.) line. It then flows in a southerly direction through D.C. beyond the 15-mile terminus where it empties into the Georgetown Channel of the Potomac River.

Rock Creek Regional Park is also located along the entire pathway. The area of the Park in Maryland is owned by Montgomery County and operated by the Maryland National Capitol Park and Planning Commission.¹⁹ In Washington, D.C., Rock Creek Park is owned by the National Park Service and is considered to be a National Park.²⁰

The flow rate of Rock Creek along the surface water pathway is estimated to be between 10-100 cubic feet per second (cfs). There is a USGS gauging station located 12.6 miles downstream of the ppe that has been operating since 1929. The average flow rate of the Creek at this station is 62.4 cfs.²¹

Riverine, open water wetlands are present along the entire surface water pathway. Smaller segments of palustrine forested wetlands also border the Creek.¹⁰ (Section 5.2)

No surface water intakes are known to exist on the pathway.

The MPWC site is located in the greater than 500 year floodplain.¹⁵

4.3 SOIL ACCESSIBILITY CONSIDERATIONS

The 1.6-acre MPWC site is currently active, manufacturing and distributing water and oil/solvent-based paints and wood stains. The Company employs less than 100 workers at the Rockville location, and operates one shift. The entire site, except for the drum storage yard located on the western side, is covered with asphalt or concrete.

Based on past waste storage practices, the drum storage yard (SWMU2) could be an area where the soil is potentially contaminated with hazardous substances, since it is not on impervious ground. However, no major spills of hazardous wastes are known to have occurred during the Company's operating history.^{17,26}

Additionally, the site is fenced along both the western and northern perimeters of the property (Figure 3). Less than 100 feet adjacent to the western perimeter are the B&O railroad tracks and the Metroliner tracks, which are fenced on both sides. Directly west of the railroad tracks are a number of small commercial buildings. It is unlikely that anyone from these buildings would enter the site, since both the railroad tracks and the western perimeter of the property are fenced.

Commercial businesses are also located next to the northern and southern sides of the site.

Across Lewis Avenue, which is adjacent to the eastern perimeter of the property, is a residential area. There are six homes within 200 feet of the fenced open yard and parking lot (SWMU4). However, it is believed that when SWMU 4 was active, that most hazardous wastes were temporarily stored on the western side.

The gate to the fenced open yard and parking lot, and all buildings on the MPWC site, are kept locked after working hours. Additionally, the site is equipped with a 24-hour alarm system to help prevent the entry of unauthorized individuals. Therefore, under normal circumstances, it is unlikely that any residents, or customers or employees of nearby businesses would come into contact with any SWMUs.

ORIGINAL
(RED)

No schools or day care centers are known to be present within 200 feet of any SWMU, and there are no terrestrial sensitive environments on-site.

During the site visit on October 25, 1991, no areas of stained soil or spills were observed.

4.4 NEARBY LAND USE CONSIDERATIONS

The nearest occupied building to any SWMU at the MPWC site is the manufacturing plant. The plant has no emissions stacks. Any odors associated with the manufacturing process are confined to the site property.¹¹

The land in the vicinity of the site has been developed for commercial, industrial, and residential uses (Figure 4). There are no known complaints by nearby residents about operations at the plant that are relevant to this EPI-PA.¹⁷

Rock Creek Regional Park, a public recreational area, is located about 0.85 miles east of the site. The nearest school to the site is Twinbrook Elementary, which is about 1,500 feet to the northeast.

There are no wetlands greater than one acre within one-half mile of the MPWC site.

5.0 POPULATION DESCRIPTIONS

5.1 DRINKING WATER POPULATION

Potable water for the 153,223 people present within a four mile radius of the site is provided by two municipal systems and private domestic wells. The majority of people (about 152,888 or 99.8%) are served by the municipal systems, which are operated by the Washington Suburban Sanitary Commission (WSSC) and the City of Rockville Department of Public Works (DPW).

The WSSC system draws water from two surface water intakes, one on the Patuxent River, and one on the Potomac River. The intake and filtration plant on the Patuxent River are located near the T. Howard Duckett Dam at Rocky Gorge Reservoir. This Reservoir is supplied by water from the Brighton Dam and Triadelphia Reservoir, which are 13 miles upstream.²² (b) (9)

(b) (9)(b) (9)

The Rockville intake, which is also on the Potomac River, supplies water for the City of Rockville, including the MPWC site. This intake is operated by the Rockville DPW, Water and Sewer Division. [REDACTED]

Potomac River intake and the Route 189-190 intersection.²³

The remaining 335 people are served by 129 private domestic wells.⁴ The distribution of these people, assuming an average of 2.6 persons per well for Montgomery County, is as follows:

<u>Distance from Site (miles)</u>	<u>People Served by Private Wells</u>
0 - 2	0
2 - 3	65
3 - 4	270
<u>Total:</u>	<u>335</u>

The nearest private domestic well is located about 2.18 miles southwest of the site about 80 feet from Gainsborough Road in Willerburn Acres.^{4,8}

There are no municipal wells or well systems within a four mile radius of the site. The Wellhead Protection Area (WHPA) for a municipal well located in non-karst terrain is currently defined as a two mile distance from the well. If any of this distance overlaps the four mile radius for the site, the well is considered to be in a WHPA. Based on this definition, there are no WHPAs near the MPWC site.⁵

5.2 SURFACE WATER USES

The surface water pathway for the MPWC site, from the probable point of entry (ppe) to the 15-mile terminus, is along Rock Creek in Montgomery County, Maryland and Washington, D.C. The Creek is estimated to flow at a rate of 10-100 cfs.²¹

Rock Creek is considered to be a fishery. Although it is not stocked for recreational fishing, some fishing is known to occur.^{19,20}

Wetlands are located along the entire surface water pathway. The total wetlands frontage is estimated to be 16.8 stream miles. Of this total, 15 stream miles are riverine, open water wetlands. The remaining 1.8 stream miles of frontage are palustrine forested wetlands that occur in small segments at various locations. The area of Rock Creek in Washington, D.C. is a National Park. No other sensitive environments are known to be present on the pathway. However, there is a study being done to determine the presence of threatened macroinvertebrates in the Creek in Washington, D.C.²⁰

There are no surface water intakes located between the ppe and the 15-mile terminus of the pathway.

5.3 NEARBY POPULATIONS

The MPWC site property is situated in the southeastern corner of Rockville, Maryland at 2355 Lewis Avenue, which is a predominantly residential avenue. The area in the vicinity of the site is residential, commercial, and industrial.

The Company employs less than 100 workers at the Rockville location, all of whom work on one shift. The nearest occupied building to any SWMU at the site is the manufacturing plant.

There are six homes within 200 feet of the eastern perimeter of SWMU4 (Figure 3). No schools or daycare centers are known to be present within 200 feet of any SWMU.

There are approximately 153,223 persons within a four mile radius of the site, excluding the MPWC employees.^{6,7,24} This population is estimated to be distributed as follows:

<u>Net Population Estimate</u>	
<u>Distance of Ring from Site (miles)</u>	<u>Population (persons)</u>
0 - 1/4	589
1/4 - 1/2	1,874
1/2 - 1	4,105
1 - 2	21,480
2 - 3	51,220
3 - 4	73,955
Total:	153,223

This population estimate was derived by house counts and urban area estimates from USGS Topographic Maps.⁷ The house count contribution for the estimate was obtained by multiplying the number of houses by a county average of 2.6 persons per household and a 30.74% increase in the population of Montgomery County from 1980 to 1990.²⁴ The urban area contribution was obtained by multiplying the area of each distance ring in square miles by the percent of the ring covered by urban shading and an average of 5,000 persons per square mile. The number of students attending Twinbrook Elementary School (650) was supplied by the school.²⁵ This is the only school located within one-half mile of the MPWC site.

There are no terrestrial sensitive environments onsite, and no wetlands within one-half mile of the site.

There are no known records of significant releases of hazardous wastes to the air.

6.0 SITE VISITS

6.1 PERSONS CONTACTED

Mr. Shri Kansal, Chief Chemist

Ms. Karen Glantschnig, Environmental Safety &
Health Coordinator

Mr. Malcolm Allison, Product Executive

Mr. Gordon Allison, Vice President

McCormick Paint Works Company, Inc.
2355 Lewis Avenue
Rockville, Maryland 20851
(301)770-3235

6.2 SITE OBSERVATIONS

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(RED)

On October 25, 1991, Ms. Shichin Tzeng and Mr. Richard Grills of the CERCLA Site Assessment/Pre-Remedial Division of MDE-HSWMA visited the MPWC site to gather information for this EPI-PA. Ms. Tzeng and Mr. Grills met with Mr. Shri Kansal, Ms. Karen Glantschnig, and Mr. Malcolm Allison who represented the MPWC (Section 6.1). The MPWC representatives explained their manufacturing processes, waste storage and handling procedures, and recycling practices.

Hazardous wastes consisting of spent solvents (mineral spirits) and paint sludges are produced during the cleaning of the paint mixing tanks. The spent solvent and sludge are separated and recycled through different manufacturing processes to produce a variety of paints and stains.

The plant also recycles the dust of titanium dioxide and clay, which is generated during the manufacture of paint.

Three Solid Waste Management Units (SWMUs) were identified. These are the drum storage yard, the satellite accumulation area for spent solvents in the manufacturing plant, and Warehouse 3, which includes the recycled solvent storage area. During the site visit, nine drums of oil-based paint were incorrectly stored in the recycled solvent storage area.

ORIGINAL
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The surface water runoff route from the site is northeast toward Rock Creek. The entire site, except for the drum storage yard, is paved with concrete or asphalt, and is partially fenced. No stained soil was observed.

A second site visit was conducted on March 23, 1992, by Ms. Ginny Sells, MDE/HSWMA, CERCLA Pre-Remedial Division. A meeting was held with Mr. Shri Kansal, Mr. Malcolm Allison, Ms. Karen Glantschnig, and Mr. Gordon Allison of the MPWC. The purpose of the EPI-PA was explained to the representatives of the MPWC. Additional information needed for the report was gathered, including the size of the site, whether the underground tanks had ever been inspected, if any major spills had ever occurred at the site, the locations of the former spent solvent storage areas in the drum storage yard (SWMU2) and the fenced open yard and parking lot (SWMU4), and the date the MPWC began leasing Warehouse 3. Mr. Shri Kansal and Mr. Malcolm Allison accompanied Ms. Sells on a tour of the entire site. All SWMUs were observed, and photographs of the SWMUs, the major structures of the site, and the surrounding area were taken.

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7.0 CONCLUSIONS

The MPWC site includes a paint manufacturing plant that has been operating from 1967 to the present. The Company makes 90-93% water-based paint and 7-10% oil/solvent-based paint.

Hazardous wastes generated consist of spent solvents and paint sludges which are produced during cleaning of the oil/solvent-based paint mixing tanks with mineral spirits. Throughout most of the Company's operating history, the spent solvent was separated from the sludge and reused in paint manufacturing processes. From 1983-1990, all of the spent sludges were solidified and transported as hazardous waste flammable material to an approved disposal facility; some spent solvent that was not reusable was also shipped off-site as wells. Currently, the main hazardous wastes kept on-site are 3-55 gallon drums of spent solvents/sludges (see SWMU1 below) which are eventually recycled to produce paint products.

Four Solid Waste Management Units (SWMUs) were identified at the site: (1) Satellite Accumulation Area for spent solvents/sludges in the manufacturing plant; (2) Drum Storage Yard where spent solvents/sludges were stored through 1990; (3) Warehouse 3, where spent solvents/sludges were stored from 1978-1990, which also includes the recycled solvent storage area built in 1991; and (4) The Fenced Open Yard and Parking Lot, where

drums of hazardous wastes were formerly temporarily stored before off-site shipment.

Titanium dioxide and clay dust, which is not a CERCLA or RCRA-regulated waste but is potentially toxic, is produced during paint manufacture. This dust is kept in the Drum Storage Yard (SWMU2) in 3-55 gallon drums and eventually reused to make more paint.

Also located in SWMU2 are three underground storage tanks that contain mineral spirits, ester alcohol, or ethylene glycol. These tanks were installed in 1967 and have never been inspected. Therefore, their condition is perhaps unknown. The MPWC plans to excavate these tanks and replace them in 1992.

Potable water for the MPWC site, and for 152,888 of the 153,223 people within a four mile radius of the site is supplied by two municipal systems that draw water from the Potomac and Patuxent Rivers. The remaining 335 people obtain drinking water from 129 private domestic wells located over two miles from the site.

The surface water runoff route from the site is northeast to Rock Creek, located about 0.85 mile away. The entire 15-mile surface water pathway is along Rock Creek in Maryland and the

b6
b7C

District of Columbia (DC). About 1.8 stream miles of palustrine forested wetlands frontage are scattered along the pathway, and the area of Rock Creek in D.C. is a National Park. Rock Creek flows at 10-100 cfs, and is a fishery.

There are six homes located within 200 feet of the eastern perimeter of SWMU-4 on Lewis Avenue. However, this SWMU is paved with concrete, is not suspected of being contaminated, and has not been used as a temporary storage area for hazardous waste since 1990. No schools or daycare centers are known to be present within 200 feet of any SWMU.

Access to the property is limited by fences along the western and northern perimeters, the gate to SWMU4, which, along with all buildings on-site, is locked after business hours, and a 24-hour alarm system. This, plus the fact that nearly all hazardous wastes are currently kept in the manufacturing plant, make it very unlikely that nearby residents would come into contact with any areas of potential contamination under normal circumstances. The people most likely to be exposed are the plant workers who transport spent solvents/sludges to SWMU-1. However, the MPWC has an Environmental Safety and Health Coordinator, a Contingency Plan, and training for handling hazardous wastes.

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No major spills or releases of hazardous wastes are known to have occurred at the MPWC. This, coupled with the past and present waste handling, storage, and disposal practices, have reduced the potential for a significant release of hazardous waste to the environment during the Company's operating history.

8.0 REFERENCES

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(160)

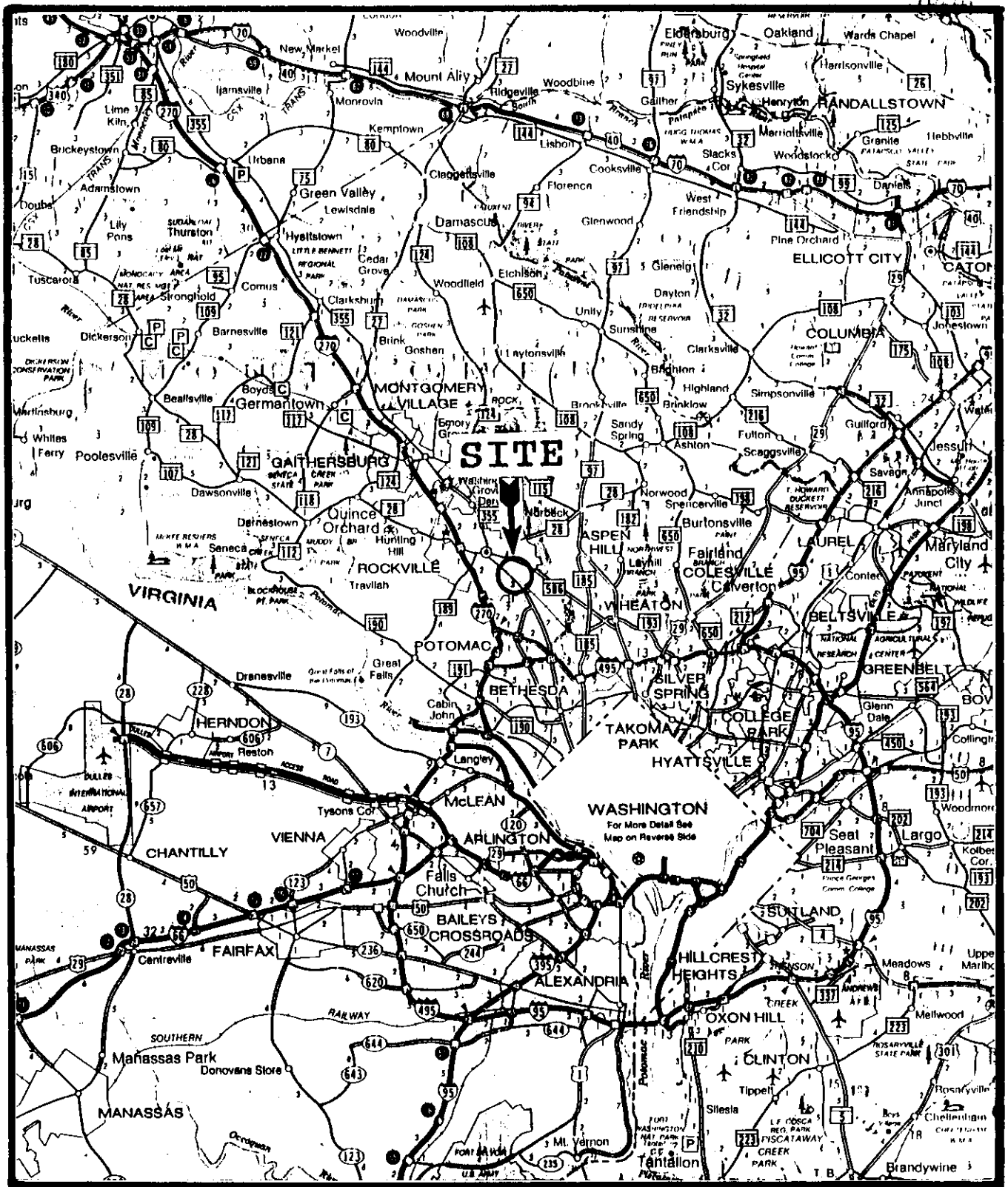
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22. Marks, Tom, Superintendent, Washington Suburban Sanitary Commission (WSSC), Patuxent River Plant, Telecon 3/3/92.
23. Beacham, Tim, Superintendent, WSSC, Potomac River Plant, Telecon 3/3/92.
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26. MPWC site visit 3/23/92, information from Shri Kansal, Karen Glantschnig, Malcolm Allison, and Gordon Allison.

ORIGINAL
(RED)

9.0 FIGURES

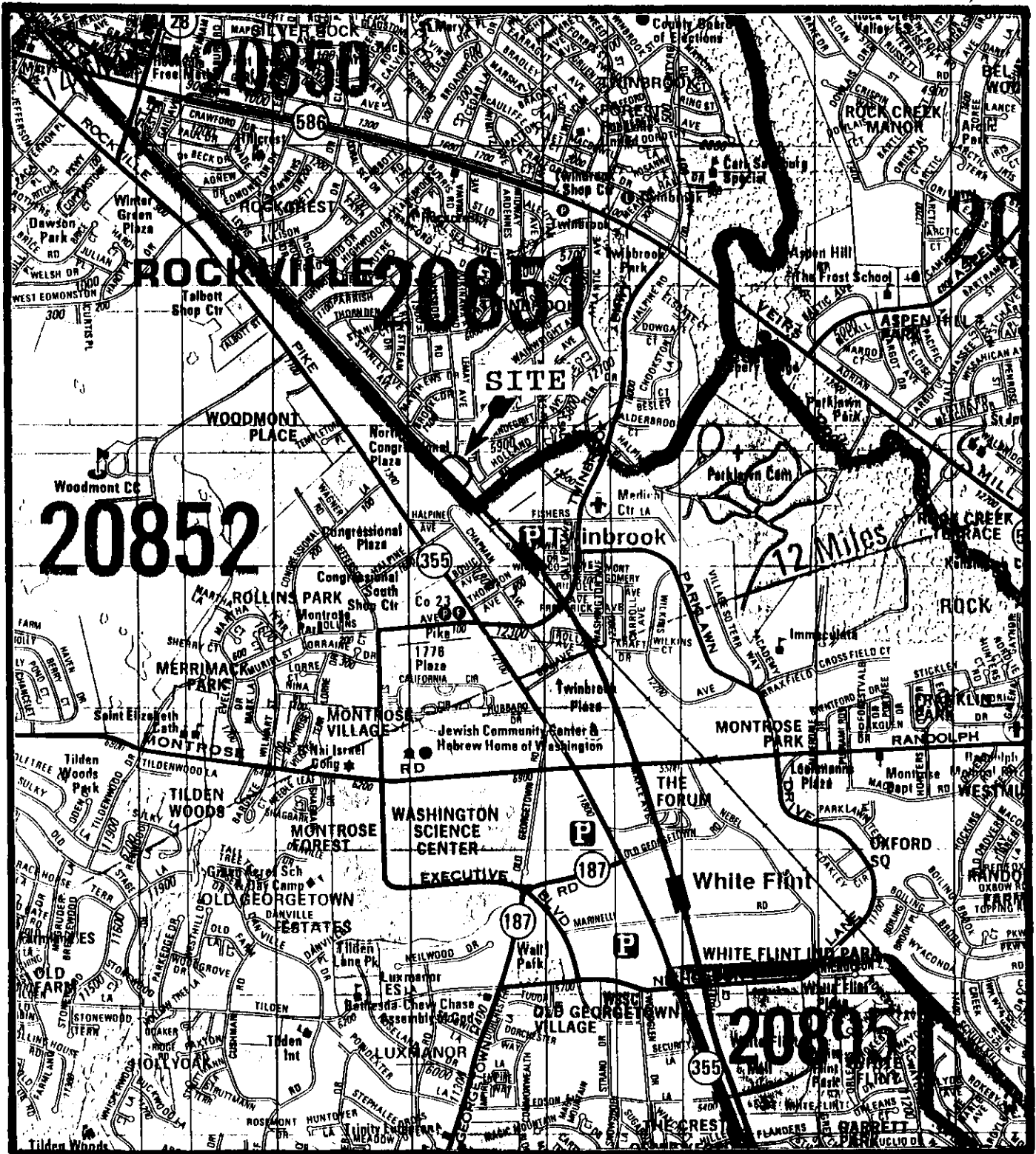
REGIONAL MAP

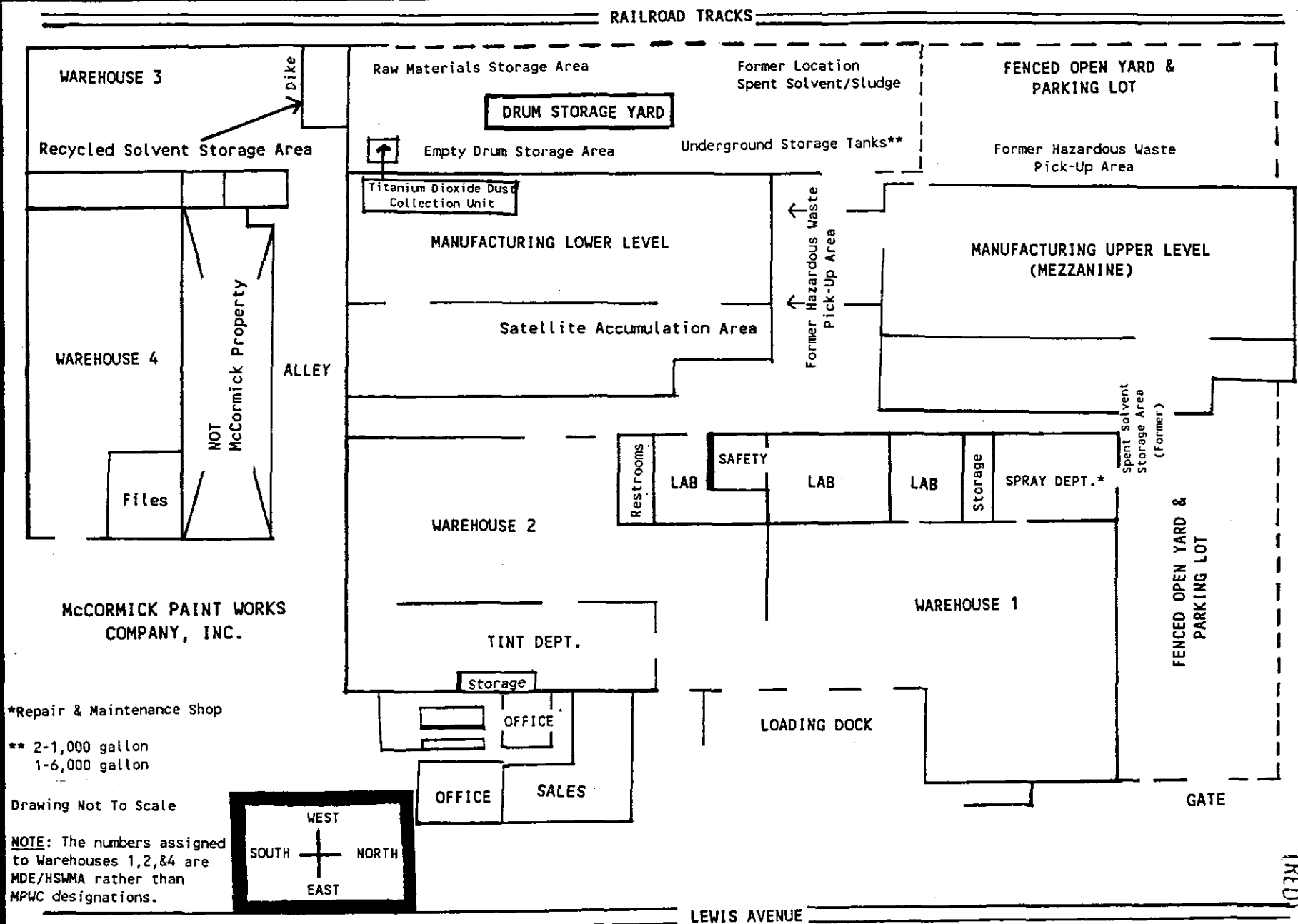
FIGURE 1



STREET MAP

ORIGINAL
FIGURE 2



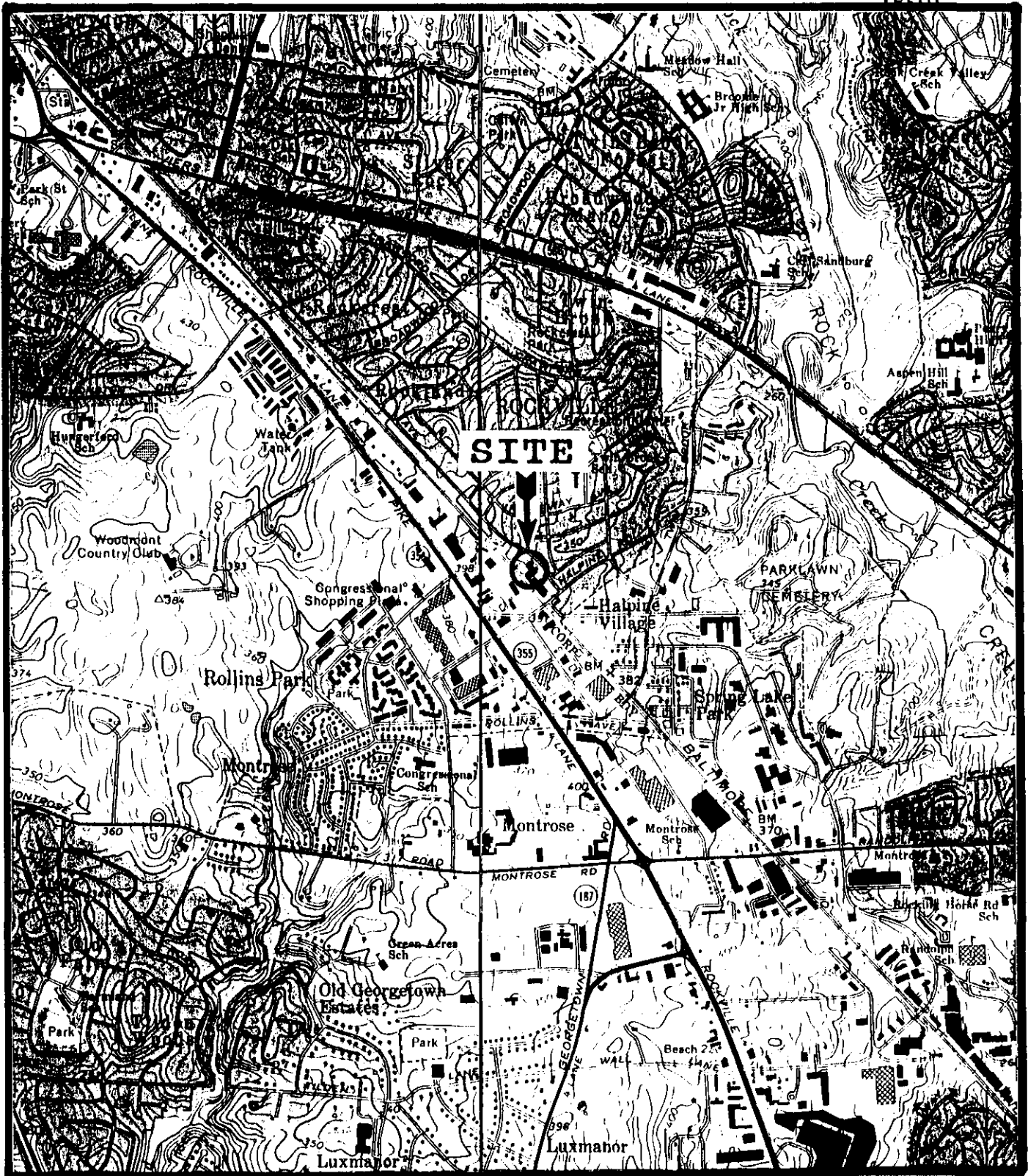


SITE SKETCH

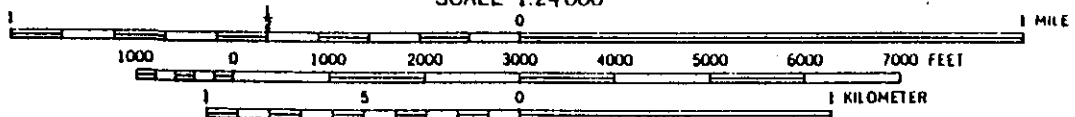
FIGURE 3

TOPOGRAPHIC MAP

ORIGINAL
FIGURE 4
(RED)



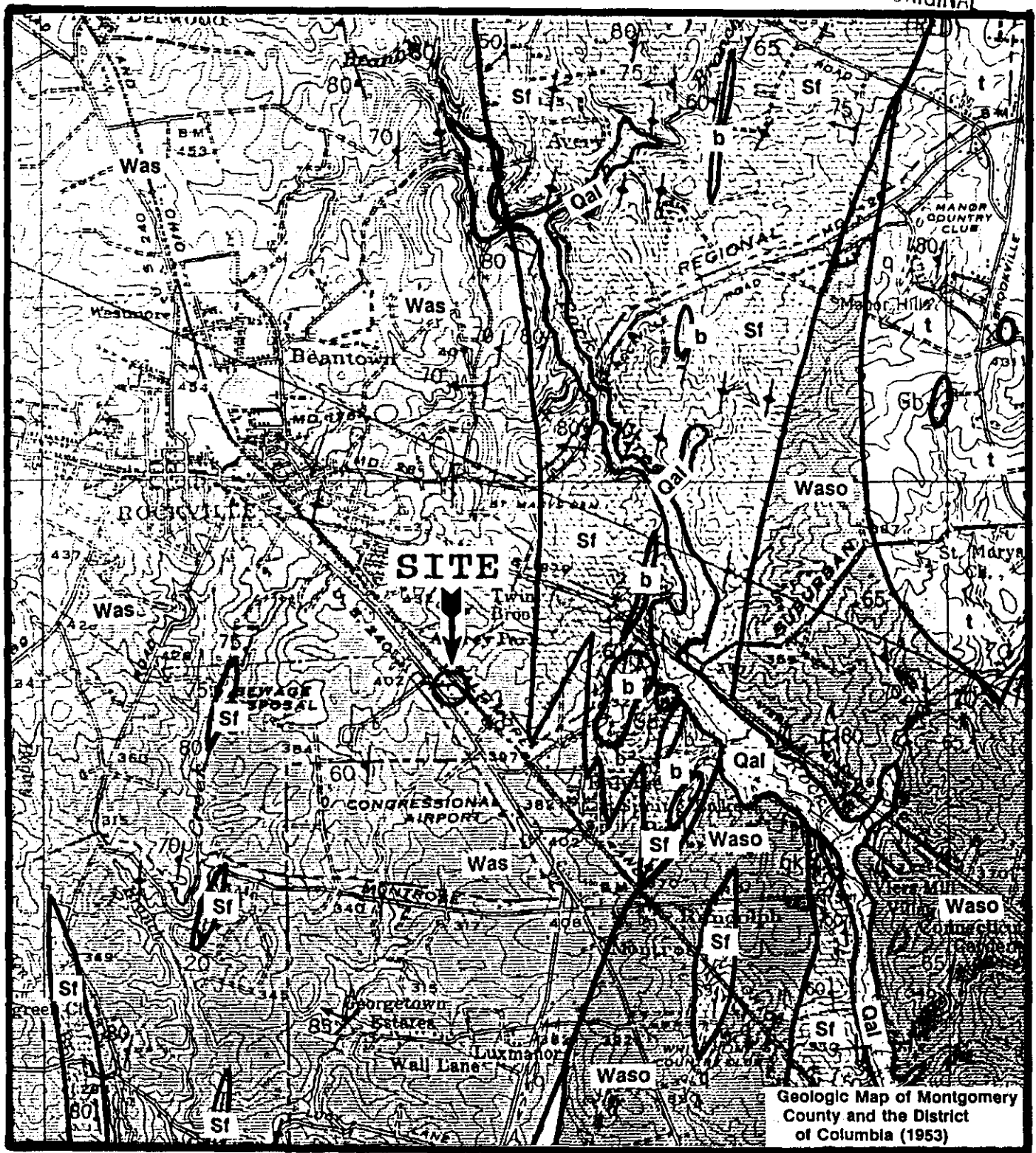
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CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

GEOLOGIC MAP

FIGURE 5
ORIGINAL

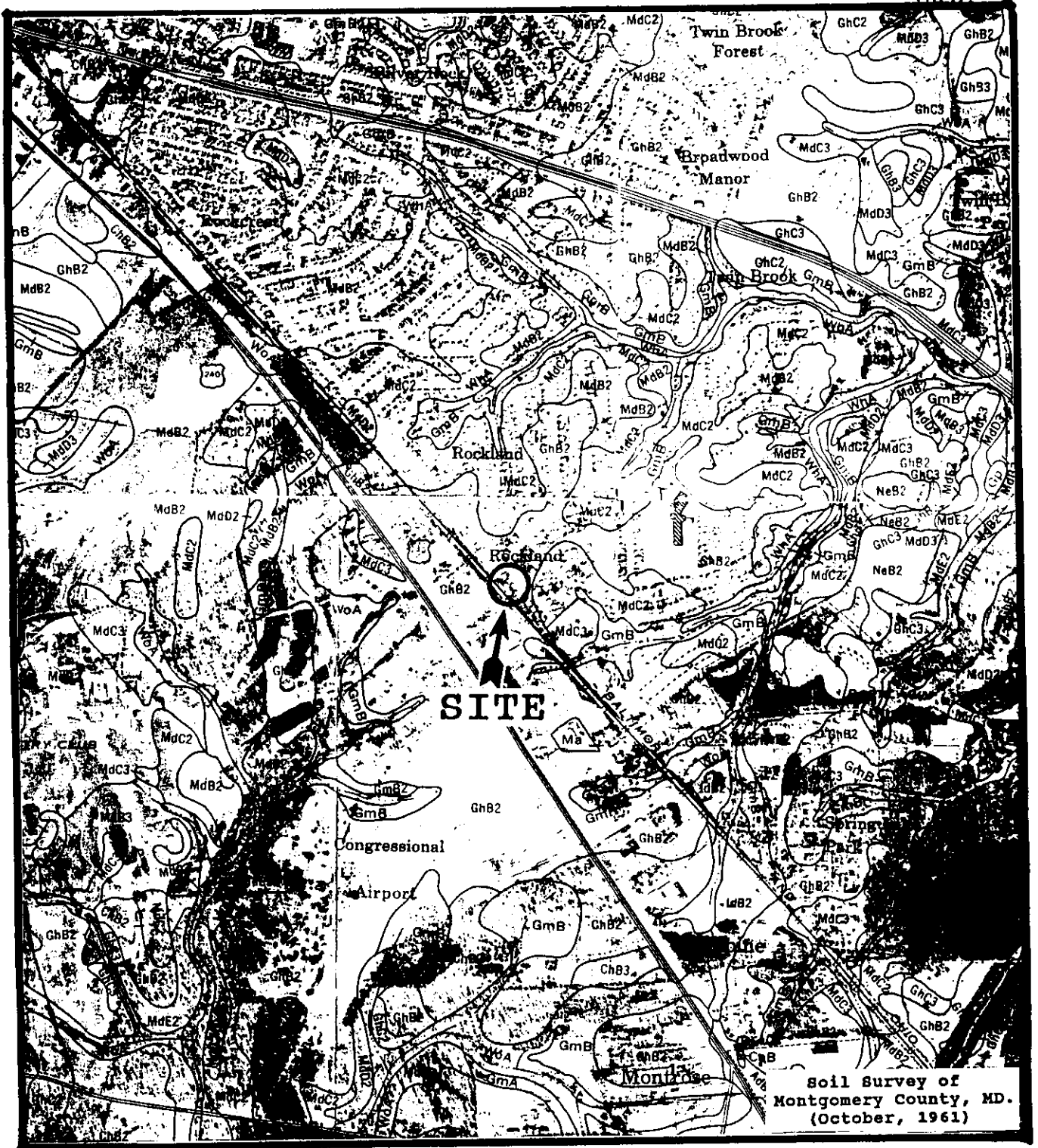


LEGEND:

- Qal - Alluvium
- Was - Wissahickon Fm.
- Waso - Wissahickon Fm. (Oligoclase - Mica Facies)
- Sf - Sykesville Fm.
- t - Tonalite with Inclusions
- b - Undifferentiated Basic Igneous Rocks

SOIL MAP

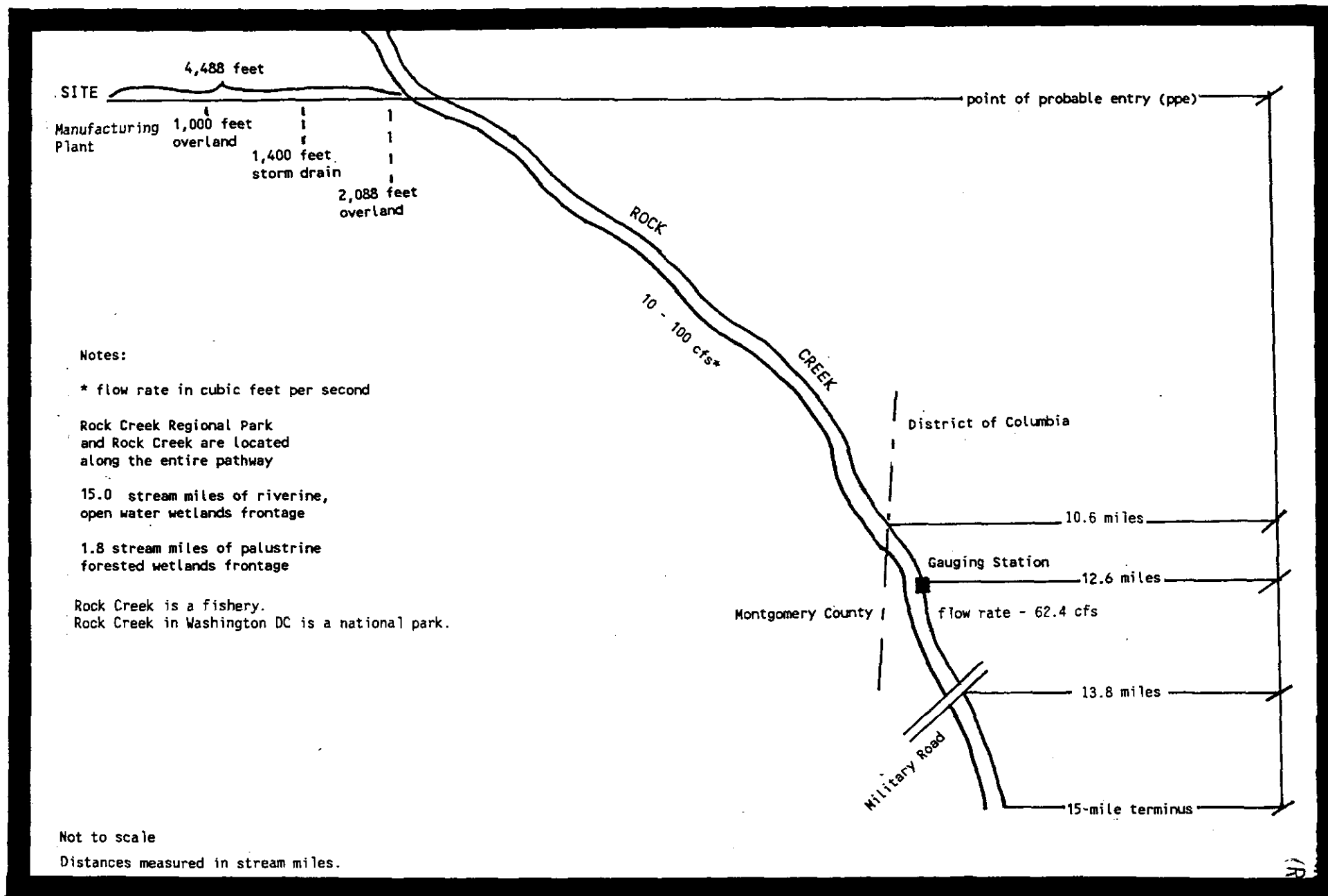
ORIGINAL
FIGURE 6
(RED)



Soil Survey of
Montgomery County, MD.
(October, 1961)

LEGEND:

- GhB2-Glenelg Silt Loam , 3-8% Slope , Moderately Eroded
- GmB - Glenville Silt Loam , 3-8% Slope
- MdB2-Manor Silt Loam , 3-8% Slope , Moderately Eroded
- MdC2-Manor Silt Loam , 8-15% Slope , Moderately Eroded
- MdC3-Manor Silt Loam , 8-15% Slope , Severely Eroded

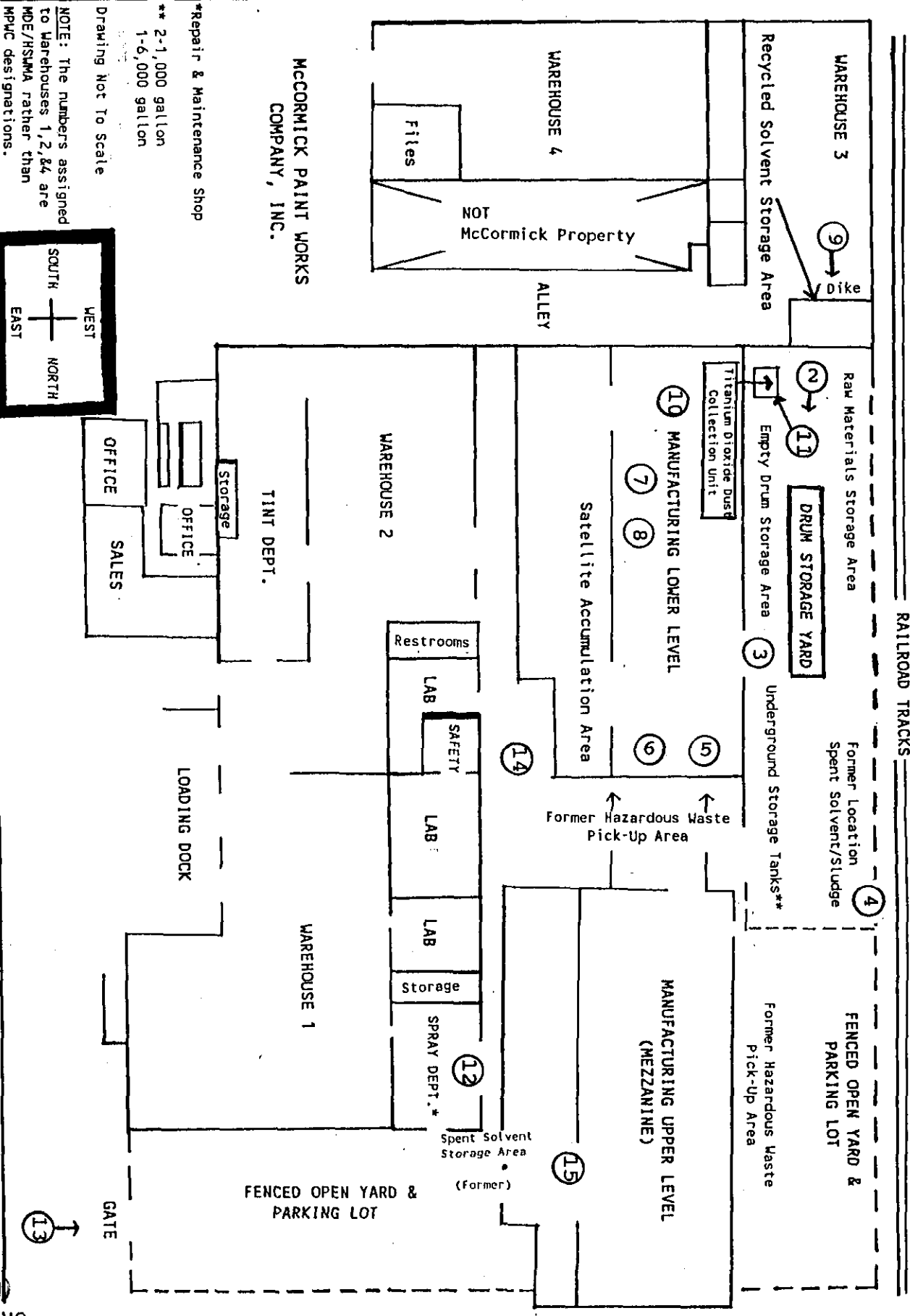


SURFACE WATER MIGRATION ROUTE SKETCH

Figure 7

ORIGINAL
(RED)

10.0 PHOTOGRAPHS



PHOTOGRAPH LOCATION MAP

1

EPA REGION III
SUPERFUND DOCUMENT MANAGEMENT SYSTEM

DOC ID # 1436511
PAGE #

IMAGERY COVER SHEET
UNSCANNABLE ITEM

Contact the CERCLA Records Center to view this document.

SITE NAME	<u>MCCORMICK PAINT WORKS</u>
OPERABLE UNIT	<u>00</u>
SECTION/BOX/FOLDER	<u>IC Box 1 1.001</u>

REPORT OR DOCUMENT TITLE	<u>Preliminary Assessment</u>
DATE OF DOCUMENT	<u>1- APRIL-1992</u>
DESCRIPTION OF IMAGERY	<u>Photo Log</u>
NUMBER AND TYPE OF IMAGERY ITEM(S)	<u>1 photo log</u>

ORIGINAL
(RED)

APPENDIX A

ORIGINAL
(RED)

SITE OWNERSHIP HISTORY
MD-398

On March 1, 1966, T.P. McCormick and Thomas P. McCormick purchased the property from the Halpine Development Corporation (Liber 3476 Folio 88 Book 88 Platt 9440).

On February 20, 1961, the Halpine Development Corporation purchased the property from Robert A. Pugh and his wife Janice (Liber 2823 Folio 125 Book 50 Platt 3870).

On April 21, 1959, Robert A. Pugh and his wife Janice purchased the property from Lawrence L. Levin and his wife Regina Levin (Liber 2614 Folio 131).

Prior to T.P. McCormick buying the property in 1966 the said property was woodland.

Prepared by Mr. James Freeman
MDE/HSWMA
CERCLA Pre-Remedial Division

ORIGINAL
(RED)

APPENDIX B

627 SOLVENT

EXXON COMPANY, U.S.A.
A DIVISION OF EXXON CORPORATION

DATE ISSUED: 01/04/88
SUPERSEDES DATE: 06/07/88
(RED)

MATERIAL SAFETY DATA SHEET

EXXON COMPANY, U.S.A. P.O. BOX 2180 HOUSTON, TX 77252-2180

A. IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME
627 SOLVENT

Mineral Spirits

PRODUCT CODE
131031 - 00627

CHEMICAL NAME
Petroleum Solvent

66

CAS NUMBER
8052-41-3

PRODUCT APPEARANCE AND ODOR
Clear water-white liquid
Mineral spirits odor

EMERGENCY TELEPHONE NUMBER
(713) 656-3424

Regular Mineral Spirits

B. COMPONENTS AND HAZARD INFORMATION

COMPONENTS	CAS NO. OF COMPONENTS	APPROXIMATE CONCENTRATION
This product can be defined as: Stoddard Solvent	8052-41-3	100%
It consists predominantly of C7-C10 hydrocarbons.		
This product contains:		
C7-C10 saturated hydrocarbons	Mixture	Approximately 83%
Toluene	108-88-3	Approximately 0.4%
Xylene	1330-20-7	Approximately 0.8%
Ethylbenzene	100-41-4	Approximately 0.2%
C8+ Aromatics	Mixture	Approximately 14%

See Section E for Health and Hazard Information.

See Section H for additional Environmental Information.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):
Health Flammability Reactivity BASIS
1 2 C Recommended by Exxon

EXPOSURE LIMIT FOR TOTAL PRODUCT BASIS
100 ppm (525 mg/m³) for an 8-hour workday
Recommended by the American Conference of Governmental Industrial Hygienists (ACGIH) for Stoddard Solvent
500 ppm 8-hour TWA OSHA Regulation 29 CFR 1910.1000

C. PRIMARY ROUTES OF ENTRY AND EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT

If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

SKIN

In case of skin contact, remove any contaminated clothing and wash skin thoroughly with soap and water.

72-62-7820-01

MATERIAL SAFETY
DATA SHEET

ASHLAND CHEMICAL, INC.

P.O. BOX 2311
COLUMBUS, OHIO 43213
(614) 895-000024-hour
Emergency
Telephone1 (800) 274-5252
1-800-455-5555

603075

ETHYLENE GLYCOL

(RED)
Page: 1

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)

Product Name: ETHYLENE GLYCOL
CAS NUMBER: 107-21-1MCCORMICK PAINT WORKS CO.
2355 LEWIS AVENUE
ROCKVILLE MD 20851

05 50 071 5761280-

PRODUCT: 3370000
INVOICE: 850207
INVOICE DATE: 01/26/90
TO: SAMEData Sheet No: 0000003-006
Prepared: 05/31/89
Supersedes: 12/22/88

ATTN: PLANT MGR./SAFETY DIR.

SECTION I - PRODUCT IDENTIFICATION

General or Generic ID: GLYCOL

DOT Hazard Classification: NOT APPLICABLE

SECTION II - COMPONENTS

IF PRESENT, IARC, NTP AND OSHA CARCINOGENS AND CHEMICALS SUBJECT TO THE REPORT-
ING REQUIREMENTS OF SARA TITLE III SECTION 313 ARE IDENTIFIED IN THIS SECTION.
SEE DEFINITION PAGE FOR CLARIFICATION

INGREDIENT	% (by WT)	PEL	TLV	Note
ETHYLENE GLYCOL CAS #: 107-21-1	100	50 PPM - CEILING	50 PPM - CEILING	111

Notes:

1) THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III.

SECTION III - PHYSICAL DATA

Boiling Point	for PRODUCT	379.00 - 401.00 Deg F 192.77 - 205.00 Deg C
Vapor Pressure	for PRODUCT	< 0.10 mm Hg 20.00 Deg C
Specific Vapor Density	AIR = 1	2.2
Specific Gravity		1.115 - 1.115 20.00 Deg C
Percent Volatiles	NOT APPLICABLE	
Evaporation Rate	(N-BUTYL ACETATE = 1)	< 1.00

SECTION IV - FIRE AND EXPLOSION INFORMATION

FLASH POINT(TCC) 232.0 Deg F (111.1 Deg C)

EXPLOSIVE LIMIT (PRODUCT) LOWER - 3.2% UPPER - 15.3%

EXTINGUISHING MEDIA: WATER FOG OR CARBON DIOXIDE OR DRY CHEMICAL

HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS: CARBON DIOXIDE AND CARBON MONOXIDE, ETC.

FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

WATER OR FOAM MAY CAUSE FROTHING WHICH CAN BE VICIOUS AND POSSIBLY ENDANGER THE LIFE OF THE FIREFIGHTER, ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT, BURNING LIQUID.

SPECIAL FIRE & EXPLOSION HAZARDS: NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

NFPA CODES: HEALTH- 1 FLAMMABILITY- 1 REACTIVITY- 0

SECTION V - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL 50 PPM - CEILING
THRESHOLD LIMIT VALUE 50 PPM - CEILING

EFFECTS OF ACUTE OVEREXPOSURE: FOR PRODUCT

EYES - CAN CAUSE IRRITATION.
SKIN - CAN CAUSE SLIGHT IRRITATION.
BREATHING - EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION.
SWALLOWING - CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

FIRST AID:

IF ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE.

5/10

1643



MATERIAL SAFETY DATA SHEET

EASTMAN CHEMICAL PRODUCTS, INC.
EASTMAN KODAK COMPANY
Kingsport, Tennessee 37662

For Health Hazard Information, Call: (615) 229-6094

For Other Information, Call Your Eastman Representative

Eastman Operator: (615) 229-2000

Date of Preparation 05-19-89

SECTION I. IDENTIFICATION

-- Name:

"TEXANOL" Ester-Alcohol

- Synonyms: PM 2404; 2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate
-- Formula: C₁₂H₂₄O₃
-- Molecular Weight: 216.36

SECTION II. COMPONENT AND PRECAUTIONARY DATA

A. COMPONENTS:	Approx Weight %	CAS Reg No	Eastman Kodak No
2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate	100	25265-77-4	000701

B. PRECAUTIONARY LABEL STATEMENTS:

LC₅₀ HAZARD FOR USUAL INDUSTRIAL HANDLING

FOR MANUFACTURING USE ONLY

SECTION III. PHYSICAL DATA

- Appearance and Odor: Clear liquid, mild characteristic odor.
-- Boiling Point: 244°C (471°F).
-- Melting Point: -50°C (-58°F).
-- Specific Gravity at 20/20°C (water = 1): 0.95.
-- Viscosity at 20°C (68°F): 13.5 cP.
-- Vapor Pressure: 0.02 mm Hg at 38°C (100°F), estimated.
-- Percent Volatile by Volume: 100%.
-- Vapor Density (Air = 1): 7.45.
-- Evaporation Rate (n-butyl acetate = 1): 0.002.
-- Solubility in Water: 0.5-0.8 g/L (negligible).

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

- Flash Point: 120°C (248°F); Method Used: Cleveland Open Cup.
-- Autoignition Temperature: 393°C (740°F); Method Used: ASTM D 2155.
-- Flammable Limits: LEL 0.62% at 149°C
UEL 4.24% at 201°C
-- Extinguishing Agent: Water Spray, Dry Chemical, Carbon Dioxide, or Foam.

MSDS-10,528A-1 (05-89)
Replaces 04-89 Edition

ORIGINAL
(RED)

APPENDIX C


**MARYLAND DEPARTMENT
OF THE ENVIRONMENT**

1990 Hazardous Waste Report

FORM

IC

**IDENTIFICATION AND
CERTIFICATION
(RED)**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME MCCORMICK PAINT WORKS INC
2355 LEWIS AVENUE
ROCKVILLE, MARYLAND 20851

EPA ID NO. MD1010321481715

INSTRUCTIONS: Read the detailed instructions beginning on page 7 of the ¹⁹⁹⁰ Hazardous Waste Report booklet before completing this form.

SEC. I Site name and location address. Complete items A through H. Check the box ☒ in items A, B, D, E, F, G, and H if same as label; if different, enter corrections. If label is absent, enter information. Instruction page 7.

A. EPA ID No. Same as label ☐ or MD1010321481715 B. Site/company name Same as label ☐ or MCCORMICK PAINT WORKS INC

C. Has the site name associated with this EPA ID changed since 1989 ☐ 1 Yes ☒ 2 No

D. Street name and number. If not applicable, enter industrial park, building name or other physical location description. Same as label ☐ 2355 LEWIS AVENUE

E. City, town, village, etc. Same as label ☐ ROCKVILLE F. County MONTGOMERY G. State Same as label ☐ MD H. Zip Code Same as label ☐ 21018-5111

SEC. II Mailing address of site. Instruction page 7.

A. Is the mailing address the same as the location address? ☒ 1 Yes (SKIP TO SEC. III) ☐ 2 No (COMPLETE SEC. II)

B. Number and street name of mailing address

C. City, town, village, etc. D. State E. Zip Code

SEC. III Name, title, and telephone number of the person who should be contacted if questions arise regarding this report. Instruction page 7.

A. Please print: Last name ALLISON First name GORDON M.I. B B. Title EXEC. V.P. CHIEF CHEMIST C. Telephone 301 770-3235 Extension N/A

SEC. IV Enter the Standard Industrial Classification (SIC) Code that describes the principal products, group of products, produced or distributed, or the services rendered at the site's physical location. Enter more than one SIC Code only if no one industry description includes the combined activities of the site. Instruction page 8.

2851

B. N/A

C. N/A

D. N/A

SEC. V I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Number of form pages submitted

Form IC 101012

Form GM 101012

Form WR 101011

Form PS 101011 Form OI 01011

Please print: Last name GLANTSCHNIG First name KAREN M.I. A C. Title SAFETY & HEALTH COORDINATOR

E. Date of signature 03 25 91
MO. DAY YR

Sec. VI	Generator Status
A. 1990 generation (CHECK ONE BOX BELOW) Instruction page 8	B. Reason for not generating (CHECK ALL THAT APPLY) Page 10
<input type="checkbox"/> 1 No (CONTINUE TO BOX B) <input checked="" type="checkbox"/> 2 LQG <input type="checkbox"/> 3 SQG <input type="checkbox"/> 4 CESQG	<div style="text-align: center;">N/A</div> <input type="checkbox"/> 1 Never generated <input type="checkbox"/> 2 Out of business <input type="checkbox"/> 3 Only excluded or delisted waste <input type="checkbox"/> 4 Only non-hazardous waste <input type="checkbox"/> 5 Periodic or occasional generator <input type="checkbox"/> 6 Waste minimization activity <input type="checkbox"/> 7 Other (SPECIFY IN COMMENTS)

Sec. VII	On-Site Waste Management Status	
A. Storage Instruction page 11	B. RCRA treatment, recycling, or disposal Page 11	C. RCRA-exempt treatment, recycling, or disposal Page 12
11	11	11

Sec. VIII	Waste Minimization Activity during 1989 or 1990	
A. Did this site begin or expand a source reduction activity during 1989 or 1990 Instruction page 12	B. Did this site begin or expand a recycling activity during 1989 or 1990 Page 13	C. Did this site conduct a source reduction or recycling opportunity assessment during 1989 or 1990 Page 13
<input checked="" type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No	<input checked="" type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No	<input checked="" type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No
D. What factors have limited this site from initiating new source reduction activities during 1989 or 1990 (CHECK ALL THAT APPLY) Page 13		
<input checked="" type="checkbox"/> 01 No factors have limited new source reduction activities. <input type="checkbox"/> 02 Insufficient capital to install new source reduction equipment or implement new source reduction practices. <input type="checkbox"/> 03 Lack of technical information on source reduction techniques applicable to the specific production processes. <input type="checkbox"/> 04 Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment. <input type="checkbox"/> 05 Concern that product quality may decline as a result of source reduction. <input type="checkbox"/> 06 Technical limitations of the production processes. <input type="checkbox"/> 07 Permitting burdens. <input type="checkbox"/> 08 Other (SPECIFY IN COMMENTS)		

E. What factors have limited this site from initiating new on-site or off-site recycling activities during 1989 or 1990 (CHECK ALL THAT APPLY) Page 13	
<input checked="" type="checkbox"/> 01 No factors have limited new recycling activities. <input type="checkbox"/> 02 Insufficient capital to install new recycling equipment or implement new recycling practices. <input type="checkbox"/> 03 Lack of technical information on recycling techniques applicable to this site's specific production processes. <input type="checkbox"/> 04 Recycling not economically feasible: cost savings in waste management or production will not recover the capital investment. <input type="checkbox"/> 05 Concern that product quality may decline as a result of recycling. <input type="checkbox"/> 06 Requirements to manifest wastes inhibit shipments off site for recycling.	<input type="checkbox"/> 07 Financial liability provisions inhibit shipments off site for recycling. <input type="checkbox"/> 08 Technical limitations of product processes inhibit shipments off site for recycling. <input type="checkbox"/> 09 Technical limitations of production processes inhibit on-site recycling. <input type="checkbox"/> 10 Permitting burdens inhibit recycling. <input type="checkbox"/> 11 Lack of permitted off-site recycling facilities. <input type="checkbox"/> 12 Unable to identify a market for recyclable materials. <input type="checkbox"/> 13 Other (SPECIFY IN COMMENTS)

Comments:

NONE

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME

MCCORMICK PAINT WORKS
2355 LEWIS AVENUE
ROCKVILLE, MARYLAND 20851

EPA ID NO.

M D D 0 0 3 2 4 8 2 7 5



MARYLAND DEPARTMENT
OF THE ENVIRONMENT

1990 Hazardous Waste Report

ORIGINAL
(RED)

WASTE GENERATION AND
MANAGEMENT

FORM
GM

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1990 Hazardous Waste Report booklet before completing this form.

Sec.
I

A. Waste description
Instruction Page 15

WASTE FLAMMABLE LIQUID N.O. S. FLAMMABLE LIQUID
UN 1993 RQ - WASH MINERAL SPIRIT...

B. EPA hazardous waste code
Page 15

D 0 0 1 N/A N/A N/A

C. State hazardous waste code
Page 16

N/A N/A

D. SIC code
Page 16

2 8 5 1

E. Source code
Page 16

A 09

F. Form code
Page 16

B 2 1 1

G. Origin
Page 16

Code 1

System type M N/A

H. TRI constituent
Page 17

2

I. CAS numbers
Page 17

N/A

1. 2. 3. 4. 5.

Sec.
II

A. Quantity generated in 1989
Instruction Page 17

N/A

B. Quantity generated in 1990
Page 17

5 9 0 0

C. UOM
Page 18

5

D. Density
Page 18

0.6 7.0

☒ 1 lb/gal ☐ 2 kg

E. Was this waste treated, disposed or recycled on site
or discharged to a sewer/POTW?
Page 18

☐ 1 Yes (CONTINUE TO SYSTEM 1)

☒ 2 No (SKIP TO SEC. III)

SYSTEM 1

System type
Page 18

M N/A

Quantity treated, disposed or recycled in 1990
Page 18

N/A

SYSTEM 2

System type
Page 18

M N/A

Quantity treated, disposed or recycled in 1990
Page 18

N/A

Sec.
III

A. Was this waste shipped off site?
Instruction Page 19

☐ 1 Yes (CONTINUE TO BOX B)
☒ 2 No (SKIP TO SEC. IV)

Site
1

B. EPA ID No. of facility to which waste was shipped
Instruction Page 19

V A 0 9 8 4 4 3 4 4 3

C. System type
Page 19

M 0 5 2

D. Total quantity shipped in 1990
Page 19

5 9 0 0

Site
2

N/A

M N/A

N/A

Sec.
IV

A. Waste minimization results in 1990
Instruction Page 20

☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (THIS FORM IS COMPLETE)

B. Activity
Page 21

W 1 1 W 3 6

W 6 2 W 8 1

C. Other effects
Page 21

☐ 1 Yes

☒ 2 No

D. Quantity recycled in 1990 due to new activities
Page 21

N/A

E. Activity/Production Index
Page 21

N/A

F. Source Reduction Quantity
Page 22

1 5 0 0
(30 DRUMS)
used in 4 months

Comments: Section 1 (F) PAINT TANK CLEANING IS THE PRINCIPAL SOURCE OF
GENERATED WASTE.

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME

MCCORMICK PAINT WORKS COMPANY

2355 LEWIS AVENUE
ROCKVILLE, MARYLAND 20851

EPA ID NO.

M D D 0 0 3 2 4 8 2 7 5



MARYLAND DEPARTMENT
OF THE ENVIRONMENT

1990 Hazardous Waste Report

(RED)

FORM
GM

WASTE GENERATION AND
MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1990 Hazardous Waste Report booklet before completing this form.

Sec. I	A. Waste description Instruction Page 15 WASTE FLAMMABLE SOLID N.O.S. 9189, OIL PAINT WASTE SOLIDIFIED WITH EXTENDERS (CLAY), CONTAIN IGNITABLE MINERAL SPIRIT, ALKYD RESIN AND PIGMENT			
B. EPA hazardous waste code Page 15 D 0 0 1 N/A N/A N/A		C. State hazardous waste code Page 16 N/A N/A		
D. SIC code Page 16 2 8 5 1	E. Source code Page 16 A 0 9	F. Form code Page 16 B 3 1 9	G. Origin Page 16 Code 1 System type M N/A	
H. TFI constituent Page 17 2	I. CAS numbers Page 17 1. N/A 2. 3. 4. 5.			

Sec. II	A. Quantity generated in 1989 Instruction Page 17 5 8 5 0 0	B. Quantity generated in 1990 Page 17 9 1 0 0 0	C. UOM Page 18 1	D. Density Page 18 N/A <input type="checkbox"/> 1 lb/gal <input type="checkbox"/> 2 kg	E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? Page 18 <input type="checkbox"/> 1 Yes (CONTINUE TO SYSTEM I) <input checked="" type="checkbox"/> 2 No (STOP TO SEC. III)
SYSTEM 1 System type Page 18 M N/A Quantity treated, disposed or recycled in 1990 Page 18 N/A			SYSTEM 2 System type Page 18 M N/A Quantity treated, disposed or recycled in 1990 Page 18 N/A		

Sec. III	A. Was this waste shipped off site? Instruction Page 19 <input checked="" type="checkbox"/> 1 Yes (CONTINUE TO BOX B) <input type="checkbox"/> 2 No (STOP TO SEC. IV)		
Site 1	B. EPA ID No. of facility to which waste was shipped Instruction Page 19 O H D 0 4 5 2 4 3 7 0 6	C. System type Page 19 M 1 3 2	D. Total quantity shipped in 1990 Page 19 9 1 0 0 0
Site 2	N/A	M	

Sec. IV	A. Waste minimization results in 1990 Instruction Page 20 <input checked="" type="checkbox"/> 1 Yes (CONTINUE TO BOX B) <input type="checkbox"/> 2 No (THIS FORM IS COMPLETE)			
B. Activity Page 21 W 1 1 W 1 3 6 W 6 2 W 8 1	C. Other effects Page 21 <input type="checkbox"/> 1 Yes <input checked="" type="checkbox"/> 2 No	D. Quantity recycled in 1990 Page 21 N/A	E. Activity/Production Index Page 21 N/A	F. Source Reduction Quantity Page 22 18 0 0 0 0 USED 20 DRUMS (each drum 400#)

Comments: Section 1 (F) DRY PAINT SKINS, NONUSABLE OIL PAINT WASTE

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME MCCORMICK PAINT WORKS COMPANY
2355 LEWIS AVENUE
ROCKVILLE, MARYLAND 20851

EPA ID NO. M D D 0 0 3 2 4 8 2 7 5



MARYLAND HAZARDOUS AND
SOLID WASTE MANAGEMENT
ADMINISTRATION

1990 Hazardous Waste Generation
and Shipment Report

FORM

OI

OFF-SITE IDENTIFICATION

WHO MUST COMPLETE THIS FORM?

Form OI must be completed by every site that shipped hazardous waste off site and every site that received hazardous waste from off site during 1990

Mark ☒ if you are not required to complete Form OI.

INSTRUCTIONS:

Please read the detailed instructions beginning on page 26A 1990 Hazardous Waste Generation and Shipment Report Instructions booklet before completing this form.

Complete A through E for each off-site installation to which you shipped waste or from which you received waste during 1990

Complete A through D for every transporter you used during the reporting year.

Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable. Make and complete additional copies of this form if you need to identify more than four off-site installations or transporters.

Site 1	A. EPA ID No. of off-site installation or transporter Instruction page 26A <u>O H D 0 4 5 2 4 3 7 0 6</u>	B. Name of off-site installation or transporter Page 26A <u>ENVIROSAFE SERVICES OF OHIO INC</u> <u>1 (419) 726-1521</u>
C. Site type code Page 26B <u>F</u>	D. Site relationship code Page 26B <u>D</u>	E. Address of off-site installation Page 26B Street <u>876 OTTER CREEK ROAD</u> City <u>OREGON</u> State <u>O H</u> Zip Code <u>4 3 6 1 6</u> - <u>DK</u>
Site 2	A. EPA ID No. of off-site installation or transporter Instruction page 26A <u>O H D 0 0 9 8 6 5 8 2 5</u>	B. Name of off-site installation or transporter Page 26A <u>DART TRUCKING COMPANY</u>
C. Site type code Page 26B <u>T</u>	D. Site relationship code Page 26B <u>D</u>	E. Address of off-site installation Page 26B Street <u>N/A</u> City <u>N/A</u> State <u>N/A</u> Zip Code <u>N/A</u> - <u>DK</u>
Site 3	A. EPA ID No. of off-site installation or transporter Instruction page 26A <u>V A D 0 9 8 4 4 3 4 4 3</u>	B. Name of off-site installation or transporter Page 26A <u>OLDOVER CORPORATION</u> <u>1 (804) 581-3226</u>
C. Site type code Page 26B <u>F</u>	D. Site relationship code Page 26B <u>D</u>	E. Address of off-site installation Page 26B Street <u>STATE ROAD 652 P.O. BOX 68</u> City <u>ARVONIA</u> State <u>V A</u> Zip Code <u>2 3 0 0 4</u> - <u>DK</u>
Site 4	A. EPA ID No. of off-site installation or transporter Instruction page 26A <u>V A D 0 4 0 1 1 5 9 4 3 6</u>	B. Name of off-site installation or transporter Page 26A <u>OLDOVER CORPORATION</u>
C. Site type code Page 26B <u>T</u>	D. Site relationship code Page 26B <u>D</u>	E. Address of off-site installation Page 26B Street <u>N/A</u> City <u>N/A</u> State <u>N/A</u> Zip Code <u>N/A</u> - <u>DK</u>

Comments:

NONE

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE MD0003248275
 MCCORMICK PAINT WORKS INC
 2355 LEWIS AVE
 ROCKVILLE MD 20851
 ATTN: ALLISON GORDON

EPA



FORM

IC

MARYLAND DEPARTMENT
OF THE ENVIRONMENT

1989 Hazardous Waste Report

ORIGINAL

IDENTIFICATION AND
CERTIFICATION

INSTRUCTIONS: Read the detailed instructions beginning on page 7 of the 1989 Hazardous Waste Report booklet before completing this form.

SEC. I Site name and location address. Complete items A through H. Check the box ☒ in items A, B, D, E, F, G, and H if same as label; if different, enter corrections. If label is absent, enter information. Instruction page 7.

A. EPA ID No. Same as label <input checked="" type="checkbox"/> or _____		B. Site/company name Same as label <input checked="" type="checkbox"/> or _____	
C. Has the site name associated with this EPA ID changed since 1987? <input type="checkbox"/> 1 Yes <input checked="" type="checkbox"/> 2 No			
D. Street name and number. If not applicable, enter industrial park, building name or other physical location description. Same as label <input checked="" type="checkbox"/> or _____			
E. City, town, village, etc. Same as label <input checked="" type="checkbox"/> or _____	F. County MONTGOMERY	G. State Same as label <input checked="" type="checkbox"/> _____	H. Zip Code Same as label <input checked="" type="checkbox"/> _____

SEC. II Mailing address of site. Instruction page 7.

A. Is the mailing address the same as the location address? <input checked="" type="checkbox"/> 1 Yes (SKIP TO SEC. III) <input type="checkbox"/> 2 No (COMPLETE SEC. II)	
B. Number and street name of mailing address n/a	
C. City, town, village, etc. n/a	D. State n/a
E. Zip Code n/a	

SEC. III Name, title, and telephone number of the person who should be contacted if questions arise regarding this report. Instruction page 7.

A. Please print: Last name Allison Kansal	First name Gordon Shri	M.I. - B.	B. Title Exec. V.P. Chief Chemist	C. Telephone 301 777-3235 Extension n/a
---	------------------------------	-----------------	---	---

SEC. IV Enter the Standard Industrial Classification (SIC) Code that describes the principal products, group of products, produced or distributed, or the services rendered at the site's physical location. Enter more than one SIC Code only if no one industry description includes the combined activities of the site. Instruction page 8.

A. 2851	B. N/A	C. N/A	D. N/A
---------	--------	--------	--------

SEC. V I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. Number of form pages submitted Form IC 112 Form GM 1011 Form WR 1011 Form PS 1011			
B. Please print: Last name Glantschnig	First name Karen	M.I. A.	C. Title Safety & Health Director
D. Signature <i>Karen Glantschnig</i>			E. Date of signature MO. DAY YR.

Sec. VI Generator Status

A. 1989-generation (CHECK ONE BOX BELOW)
Instruction page 8

- ☐ 1 No (CONTINUE TO BOX B)
☒ 2 LQG
☐ 3 SQG
☐ 4 CESQG
- (SKIP TO SEC. VII)

B. Reason for not generating (CHECK ALL THAT APPLY)
Page 10

N/A

- ☐ 1 Never generated
☐ 2 Out of business
☐ 3 Only excluded or delisted waste

- ☐ 4 Only non-hazardous waste
☐ 5 Periodic or occasional generator
☐ 6 Waste minimization activity
☐ 7 Other (SPECIFY IN COMMENTS)

ORIGINAL

(RED)

Sec. VII On-Site Waste Management Status

A. Storage
Instruction page 11

13.1

B. RCRA treatment, recycling, or disposal
Page 11

11.1

C. RCRA-exempt treatment, recycling, or disposal
Page 12

11

Sec. VIII Waste Minimization Activity during 1988 or 1989

A. Did this site begin or expand a source reduction activity during 1988 or 1989?
Instruction page 12

- ☒ 1 Yes
☐ 2 No

B. Did this site begin or expand a recycling activity during 1988 or 1989?
Page 13

- ☒ 1 Yes
☐ 2 No

C. Did this site conduct a source reduction or recycling opportunity assessment during 1988 or 1989?
Page 13

- ☒ 1 Yes
☐ 2 No

D. What factors have limited this site from initiating new source reduction activities during 1988 or 1989?
(CHECK ALL THAT APPLY)
Page 13

- ☐ 01 No factors have limited new source reduction activities.
☐ 02 Insufficient capital to install new source reduction equipment or implement new source reduction practices.
☐ 03 Lack of technical information on source reduction techniques applicable to the specific production processes.
☒ 04 Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment.
☒ 05 Concern that product quality may decline as a result of source reduction.
☐ 06 Technical limitations of the production processes.
☒ 07 Permitting burdens.
☐ 08 Other (SPECIFY IN COMMENTS)

E. What factors have limited this site from initiating new on-site or off-site recycling activities during 1988 or 1989?
(CHECK ALL THAT APPLY)
Page 13

- ☐ 01 No factors have limited new recycling activities.
☐ 02 Insufficient capital to install new recycling equipment or implement new recycling practices.
☐ 03 Lack of technical information on recycling techniques applicable to this site's specific production processes.
☒ 04 Recycling not economically feasible: cost savings in waste management or production will not recover the capital investment.
☒ 05 Concern that product quality may decline as a result of recycling.
☐ 06 Requirements to manifest wastes inhibit shipments off site for recycling.
☒ 07 Financial liability provisions inhibit shipments off site for recycling.
☐ 08 Technical limitations of product processes inhibit shipments off site for recycling.
☐ 09 Technical limitations of production processes inhibit on-site recycling.
☒ 10 Permitting burdens inhibit recycling.
☒ 11 Lack of permitted off-site recycling facilities.
☐ 12 Unable to identify a market for recyclable materials.
☐ 13 Other (SPECIFY IN COMMENTS)

Comments:

OR ENTER:

SITE NAME

McCormick Paint Works Company
2355 Lewis Avenue
Rockville, Maryland 20851



OF THE ENVIRONMENT

1989 Hazardous Waste Report

EPA ID NO.

M D D 0 0 3 2 4 8 2 7 5

FORM
GM

WASTE GENERATION AND
MANAGEMENT

ORIGINAL

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form. (RED)

Sec. I	A. Waste description Instruction Page 15 WASTE FLAMMABLE SOLID N.O.S. 9189, OIL PAINT WASTE SOLIDIFY WITH EXTENDERS (CLAY), CONTAINS IGNITABLE MINERAL SPIRIT, ALKYD RESIN AND PIGMENT				
B. EPA hazardous waste code Page 15 D 0 0 1 1 N A N A N A			C. State hazardous waste code Page 15 N A N A N A N A		
D. SIC code Page 16 2 8 5 1 1		E. Source code Page 16 A 0 9		F. Form code Page 16 B 3 1 1 9	G. Origin Page 16 Code 1 System type M N A
TRI constituent Page 17 2		I. CAS numbers Page 17 1. N A - - - - - 2. - - - - - 3. - - - - - 4. - - - - - 5. - - - - -			

Sec. II	A. Quantity generated in 1988 Instruction Page 17 4 5 5 0 0	B. Quantity generated in 1989 Page 17 5 8 5 0 0	C. UOM Page 18 1	D. Density Page 18 N/A • N/A <input type="checkbox"/> 1 lbs/gal <input type="checkbox"/> 2 sg	E. Was this waste treated, disposed or recycled on site or discharged to a sewer/POTW? Page 18 <input type="checkbox"/> 1 Yes (CONTINUE TO SYSTEM 1) <input checked="" type="checkbox"/> 2 No (SKIP TO SEC. III)
SYSTEM 1 System type Page 18 M N/A Quantity treated, disposed or recycled in 1989 Page 18 -			SYSTEM 2 System type Page 18 M N/A Quantity treated, disposed or recycled in 1989 Page 18 -		

Sec. III	A. Was this waste shipped off site? Instruction Page 19 <input checked="" type="checkbox"/> 1 Yes (CONTINUE TO BOX B) <input type="checkbox"/> 2 No (SKIP TO SEC. IV)		
Site 1	B. EPA ID No. of facility to which waste was shipped Instruction Page 19 Q H D 0 4 5 2 4 3 7 0 6	C. System type Page 19 M 1 3 1 2	D. Total quantity shipped in 1989 Page 19 5 8 5 0 0
Site 2	N/A	M	-

Sec. IV	A. Waste minimization results in 1989 Instruction Page 20 <input checked="" type="checkbox"/> 1 Yes (CONTINUE TO BOX B) <input type="checkbox"/> 2 No (THIS FORM IS COMPLETE)				
B. Activity Page 21 W 1 4 W 2 2 W W	C. Other effects Page 21 <input type="checkbox"/> 1 Yes <input checked="" type="checkbox"/> 2 No	D. Quantity recycled in 1989 due to new activities Page 21 N A	E. Activity/Production Index Page 21 N A •	F. Source Reduction Quantity Page 22 N A	

Comments: SECTION 1 (F) DRY PAINT SKINS, NONUSABLE OIL PAINT WASTE.

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME MCCORMICK PAINT WORKS INC

2355 LEWIS AVE
ROCKVILLE, MD. 20851

EPA ID NO. MD0003248275

FORM
ICMARYLAND HAZARDOUS AND
SOLID WASTE MANAGEMENT
ADMINISTRATIONORIGINAL
1988 Hazardous Waste Generation
and Shipment ReportIDENTIFICATION AND
CERTIFICATION

WHO MUST COMPLETE THIS FORM?

Form IC must be completed by every site that received this package.

INSTRUCTIONS:

Please read the detailed instructions beginning on page 8 of 1988 Hazardous Waste Generation and Shipment Report Instructions booklet before completing this form.

Complete Sections I through IV and Sections VI through IX immediately. Complete Section V, certification, after you have finished the full report package.

SEC. I.		Site name and physical location which may differ from the mailing address. Complete items A through G. Mark <input checked="" type="checkbox"/> for items A, B, C, D, F, and G if same as label; if different, enter corrections. If label is absent, enter information.			
A. Site/company name Same as label <input type="checkbox"/> or — MCCORMICK PAINT WORKS COMPANY		B. EPA ID No. Same as label <input type="checkbox"/> or — MD0003248275			
C. Address number and street name of physical location - If not known, enter industrial park, building name or other physical location description Same as label <input type="checkbox"/> or — 2355 LEWIS AVENUE					
D. City, town, village, etc. Same as label <input type="checkbox"/> or — ROCKVILLE		E. County MONTGOMERY		F. State Same as label <input type="checkbox"/> or — MD	G. Zip Code Same as label <input type="checkbox"/> or — 20851
SEC. II. Mailing address of site. Mark <input checked="" type="checkbox"/> for A, B, C, and D if same as label; if different, enter corrections.					
A. Number and street name of mailing address Same as label <input checked="" type="checkbox"/> or —					
B. City, town, village, etc. Same as label <input checked="" type="checkbox"/> or —		C. State Same as label <input checked="" type="checkbox"/> or —		D. Zip Code Same as label <input checked="" type="checkbox"/> or —	
SEC. III. Name, title, and telephone number of the person who should be contacted if questions arise regarding this report.					
A. Please print: Last name KANSAL ALLISON		First name SHRI GORDON		M.I. B.	B. Title CHIEF CHEMIST EXEC VICE PRES
				C. Telephone 301 770-1323 Extension N/A	
SEC. IV. Enter the Standard Industrial Classification (SIC) Code that describes the principal products, group of products, produced or distributed, or the services rendered at the site's physical location. Enter more than one SIC Code only if no one industry description includes the combined activities of the site. SIC codes are listed beginning on page 1 of 1988 Hazardous Waste Report Codebook.					
A. 2851	B. N/A	C. N/A	D. N/A	E. N/A	F. N/A

SEC. V.		I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			
A. Please print: Last name GLANTSCHNIG		First name KAREN		M.I. A.	Title SAFETY & HEALTH DIRECTOR
B. Signature 				Date of signature 10.5 12.13 89 Mo. Day Yr.	

Page 1 of 10

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME MCCORMICK PAINT WORKS COMPANY
2355 LEWIS AVE
ROCKVILLE, MD. 20851

EPA ID NO. MD1010131248275



**MARYLAND HAZARDOUS AND
SOLID WASTE MANAGEMENT
ADMINISTRATION**

1988 Hazardous Waste Report
and Shipment Report

**FORM
GS**

**WASTE GENERATION AND
SHIPMENT**

WHO MUST COMPLETE THIS FORM?

Form GS must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1988

☐

Mark ☒ if you are not required to complete Form GS.

INSTRUCTIONS:

Please read the detailed instructions beginning on page 12 of the 1988 Hazardous Waste Generation and Shipment Report Instructions booklet before completing this form.

Make and complete a photocopy of this form for each hazardous waste generated on site or shipped off site during 1988

Complete Sections I through IV. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

Sec. I A. Waste description Instruction Page 12 Waste flammable solid N.O.S. 9189, UN1325, oil paint waste solidify with extenders (clay), contains ignitable mineral spirit, alkyd resin and pigment

B. EPA hazardous waste code
Page 12

D1001 NA NA NA

C. State hazardous waste code
Page 13

NA NA NA

D. SIC code
Page 13

2851

E. Source code
Page 13

10

F. Waste form code
Page 13

N99

G. Waste minimization results
Page 13

B

Sec. II

A. Organics
Instruction Page 14

High 6
Low
Test Note D

B. Water
Page 15

High 9
Low
Note N

C. Total Solids
Page 15

High A
Low
Note D

D. Suspended Solids
Page 15

High A
Low
Note D

E. BTU
Page 16

High
Low
UOM Note N

F. Toxic Metals
Page 16

Metal	Note <u>A</u>		Test
	High	Low	
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>

G. pH
Page 18

High
Low
Note G

H. Flashpoint
Page 18

High 139 °F
Low 101 °F
Note F

I. Cyanides
Page 19

High
Low
Test Note G

J. Halogens
Page 20

High
Low
Note N

K. Radioactive
Page 20

Yes ☐
No ☐
Note N

Sec. III

A. 87 quantity hazardous waste generated
Instruction Page 20

4455010

B. 88 quantity hazardous waste generated
Page 20

4455010

C. UOM
Page 21

P

D. Density
Page 21

NA
☐ lbs/gal ☐ sg

E. Quantity hazardous waste on site on January 1, 1988
Page 21

0

F. Quantity hazardous waste remaining on site on December 31, 1988
Page 21

0

Sec. IV

A. EPA ID No. of facility to which waste was shipped
Instruction Page 22

0440145243706

B. Number of shipments
Page 22

1

C. Transport mode
Page 22

H

D. Off-site T/S/D/R code
Page 22

DK NA

E. Total quantity shipped
Page 22

44850

Comments:

SEC IV BOX A CONTINUED ON SUPPLEMENTAL PAGE

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME McCORMICK PAINT WORKS COMPANY
2355 LEWIS AVE
ROCKVILLE, MD. 20851

EPA ID NO. M D D 0 0 3 2 4 8 2 7 5



MARYLAND HAZARDOUS AND
SOLID WASTE MANAGEMENT
ADMINISTRATION

1988 Hazardous Waste Report
and Shipment Report

FORM
GS

WASTE GENERATION AND
SHIPMENT

WHO MUST COMPLETE THIS FORM?

Form GS must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1988

☐

Mark ☒ if you are not required to complete Form GS.

INSTRUCTIONS:

Please read the detailed instructions beginning on page 12 of the 1988 Hazardous Waste Generation and Shipment Report Instructions booklet before completing this form.

Make and complete a photocopy of this form for each hazardous waste generated on site or shipped off site during 1988

Complete Sections I through IV. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

Sec. I
A. Waste description
Instruction Page 12

B. EPA hazardous waste code
Page 12

C. State hazardous waste code
Page 13

D. SIC code
Page 13

E. Source code
Page 13

F. Waste form code
Page 13

G. Waste minimization results
Page 13

Sec. II
A. Organics
Instruction Page 14

B. Water
Page 15

C. Total Solids
Page 15

D. Suspended Solids
Page 15

E. BTU
Page 15

F. Toxic Metals
Page 16

Note ☐

High ☐
Low ☐
Test ☐ Note ☐

High ☐
Low ☐
Note ☐

High ☐
Low ☐
Note ☐

High ☐
Low ☐
Note ☐

High ☐
Low ☐
UOM ☐ Note ☐

Metal High Low Test

1. ☐ ☐ ☐ ☐

2. ☐ ☐ ☐ ☐

3. ☐ ☐ ☐ ☐

4. ☐ ☐ ☐ ☐

5. ☐ ☐ ☐ ☐

6. ☐ ☐ ☐ ☐

G. pH
Page 16

H. Flashpoint
Page 16

I. Cyanides
Page 19

J. Halogens
Page 20

K. Radioactive
Page 20

High ☐
Low ☐
Note ☐

High ☐ °F
Low ☐ °F
Note ☐

High ☐
Low ☐
Test ☐ Note ☐

High ☐
Low ☐
Note ☐

Yes ☐
No ☐
Note ☐

Sec. III
A. 87 quantity hazardous waste generated
Instruction Page 20

B. 88 quantity hazardous waste generated
Page 20

C. UOM
Page 21

D. Density
Page 21

E. Quantity hazardous waste on site on January 1, 1988
Page 21

F. Quantity hazardous waste remaining on site on December 31, 1988
Page 21

Sec. IV
A. EPA ID No. of facility to which waste was shipped
Instruction Page 22

B. Number of shipments
Page 22

C. Transport mode
Page 22

D. Off-site T/S/D/R code
Page 22

E. Total quantity shipped
Page 22

M I D 0 0 0 7 2 4 8 3 1

1

H

D K N A

6 5 0

Comments: SEC IV BOX A CONTINUED ON SUPPLEMENTAL PAGE

EPA ID NO. M D D 0 0 3 2 4 8 2 7 5



**MARYLAND HAZARDOUS AND
SOLID WASTE MANAGEMENT
ADMINISTRATION**

1988 Hazardous Waste Generation
and Shipment Report

OFF-SITE IDENTIFICATION

FORM

O

WHO MUST COMPLETE THIS FORM?

Form OI must be completed by every site that shipped hazardous waste off site and every site that received hazardous waste from off site during 1988

Mark ☒ if you are not required to complete Form OL.

INSTRUCTIONS:

Please read the detailed instructions beginning on page 23 of 1988 Hazardous Waste Generation and Shipment Report Instructions booklet before completing this form.

Complete A through E for each off-site installation to which you shipped waste or from which you received waste during 1988

Complete A through D for every transporter you used during the reporting year.

Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable. Make and complete additional copies of this form if you need to identify more than four off-site installations or transporters.

Site 1	A. EPA ID No. of off-site installation or transporter Instruction page 23	B. Name of off-site installation or transporter Page 23
	O H D 0 4 5 2 4 3 7 0 6	ENVIROSAFE SERVICES OF OHIO, INC
C. Site type code Page 24	D. Site relationship code Page 24	E. Address of off-site installation Page 24
F	D	876 OTTER CREEK ROAD
		Street
		City OREGON State O H Zip Code 4 3 6 1 6
Site 2	A. EPA ID No. of off-site installation or transporter Instruction page 23	B. Name of off-site installation or transporter Page 23
	M I I D 1 0 1 0 1 7 1 2 1 4 8 1 3 1 1	MICHIGAN DISPOSAL
C. Site type code Page 24	D. Site relationship code Page 24	E. Address of off-site installation Page 24
F	D	49350 N. 194 SERVICE DRIVE
		Street
		City BELLEVILLE State M I Zip Code 4 8 1 1 1
Site 3	A. EPA ID No. of off-site installation or transporter Instruction page 23	B. Name of off-site installation or transporter Page 23
	P I A D 0 1 6 1 4 1 0 1 3 1 5 1 8 1 1 9	HORWITH TRUCKS, INC.
C. Site type code Page 24	D. Site relationship code Page 24	E. Address of off-site installation Page 24
T	D	NA
		Street
		City State Zip Code
Site 4	A. EPA ID No. of off-site installation or transporter Instruction page 23	B. Name of off-site installation or transporter Page 23
C. Site type code Page 24	D. Site relationship code Page 24	E. Address of off-site installation Page 24
		Street
		City State Zip Code

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME MCCORMICK PAINT WORKS COMPANY
2355 LEWIS AVE
ROCKVILLE, MD. 20851

EPA ID NO. MD, D, 0, 0, 3, 2, 4, 8, 2, 7, 9



FORM
WM

MARYLAND HAZARDOUS AND
SOLID WASTE MANAGEMENT
ADMINISTRATION

1988 Hazardous Waste Report
and Shipment Report

WASTE MINIMIZATION

PART I

WHO MUST COMPLETE THIS FORM?

Form WM Part I, describing efforts undertaken to implement waste minimization programs, must be completed by all generators required to file an Annual/Biennial Report. This requirement was established in response to statutory provisions included in the Hazardous and Solid Waste Amendments of 1984 (HSWA).

NOTE: Generators shipping hazardous waste off site are required to certify, on Item 16 of the Uniform Hazardous Waste Manifest, that they have a program in place to reduce, to the degree determined economically practicable, the volume and toxicity of hazardous waste generated. A similar certification must also be made by generators who have obtained a RCRA treatment, storage, or disposal permit. Consistent with these certification requirements, generators must report, on Form WM Part I, the efforts undertaken to implement waste minimization programs.

INSTRUCTIONS:

Please read the detailed instructions on page 25 of 1988 Hazardous Waste Generation and Shipment Report Instructions booklet before completing this form.

Answer questions 1 through 10. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

1. Did this site create or expand a source reduction and recycling program?

	1988		1987		Prior Years	
	Yes	No	Yes	No	Yes	No
Create	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Expand	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

2. Did this site have a written policy or statement that outlined goals, objectives and methods for source reduction and recycling of hazardous waste?

	1988	1987	Prior Years
Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

3. What was the dollar amount of capital expenditures (plant and equipment) and operating costs devoted to source reduction and recycling of hazardous waste? ENTER ZERO (0) IF NONE.

	1988	1987	Prior Years
Capital expenditures	\$ <u>0</u>	\$ <u>0</u>	\$ <u>0</u>
Operating costs	\$ <u>0</u>	\$ <u>0</u>	\$ <u>0</u>

4. Did this site have an employee training program or provide incentives (bonuses, awards, personal recognition, etc.) to identify and implement source reduction and recycling opportunities and activities?

	1988		1987		Prior Years	
	Yes	No	Yes	No	Yes	No
Training	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Incentives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EPA ID NO. M D D 0 0 3 2 4 8 2 7 5

9. What factors have delayed or prevented implementation of on-site or off-site RECYCLING opportunities. MARK ☒ **ORIGINAL**
NEXT TO ALL THAT APPLY.

- ☐ a. Insufficient capital to install new recycling equipment or implement new recycling practices. (RED)
- ☐ b. Lack of technical information on recycling techniques applicable to this site's specific production processes.
- ☐ c. Recycling is not economically feasible: cost savings in waste management or production will not recover the capital investment.
- ☐ d. Concern that product quality may decline as a result of recycling.
- ☐ e. Requirements to manifest wastes inhibit shipments off site for recycling.
- ☒ f. Financial liability provisions inhibit shipments off site for recycling.
- ☐ g. Technical limitations of product processes inhibit shipments off site for recycling.
- ☐ h. Technical limitations of production processes inhibit on-site recycling.
- ☐ i. Permitting burdens inhibit recycling.
- ☐ j. Lack of permitted off-site recycling facilities.
- ☐ k. Unable to identify a market for recyclable materials.
- ☐ l. Other (SPECIFY) _____

10. Has this site requested or received technical information or financial assistance on source reduction and/or recycling practices from any of the following sources? MARK ☒ NEXT TO ALL THAT APPLY.

	1988		1987		Prior Years	
	Technical	Financial	Technical	Financial	Technical	Financial
a. Local government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. State government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Federal government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Trade associations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Educational institutions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Suppliers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Other parts of your firm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Other firms/consultants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. No request made	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. Other (conferences, literature, etc.) _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME MCCORMICK PAINT WORKS COMPANY
2355 LEWIS AVE
ROCKVILLE, MD. 20851

EPA ID NO. M D D 0 0 3 2 4 8 2 7 5



**MARYLAND HAZARDOUS AND
SOLID WASTE MANAGEMENT
ADMINISTRATION**

1988 Hazardous Waste Report
and Shipment Report

ORIGINAL
(RED)

FORM
WM

WASTE MINIMIZATION

PART II

WHO MUST COMPLETE THIS FORM?

Form WM Part II must be completed only by generators that engaged in an activity during 1987 that resulted in waste minimization.

Waste minimization means:

- (1) reduction in the volume and/or toxicity of hazardous waste generated as a result of source reduction; and/or,
(2) reduction in the volume and/or toxicity of hazardous waste subsequently treated, stored, or disposed as a result of on-site or off-site recycling.



Mark ☒ and do not complete this form if no waste minimization results were achieved during 1987.

INSTRUCTIONS:

Please read the detailed instructions beginning on page 26 of 1988 Hazardous Waste Generation and Shipment Report Instructions booklet before completing this form.

Make and complete a photocopy of this form for each hazardous waste minimized in 1988

Complete Sections I through IV. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

Sec. I	A. EPA hazardous waste code Instruction Page 27	B. State hazardous waste code Page 27	C. Product or service description Page 27	D. Product or service SIC code Page 27
	<div></div>	<div></div>		<div></div>
E. Waste form code Page 27	F. UOM Page 28	G. Density Page 28	H. Source description: Page 28	I. Source code Page 28
<div></div>	<div></div>	<div></div> lbs/gal <input type="checkbox"/> sg <input type="checkbox"/>		<div></div>
Sec. II	A. 87 quantity generated Instruction Page 29	B. 88 quantity generated Page 29	C. Production ratio Page 29	D. Toxicity change code Page 31
	<div></div>	<div></div>	<div></div>	<div></div>
E. Waste minimization: recycling Page 31		F. Waste minimization: source reduction Page 32		
Code 1. <div></div> 2. <div></div> Quantity recycled <div></div>		Code 1. <div></div> 2. <div></div> 3. <div></div> Quantity prevented <div></div>		
Sec. III	A. Narrative description of waste minimization project or activity and results achieved Instruction Page 39			
<div></div>				

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME

McCormick Paint Works Co.

2355 LEWIS AVE, ROCKVILLE MD 20851

EPA ID NO.

MD00003248275



MARYLAND HAZARDOUS AND
SOLID WASTE MANAGEMENT
ADMINISTRATION

1987 Hazardous Waste Report
and Shipment Report

FORM
GS

WASTE GENERATION AND
SHIPMENT

WHO MUST COMPLETE THIS FORM?

Form GS must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1987.

☐

Mark ☒ if you are not required to complete Form GS.

INSTRUCTIONS:

Please read the detailed Instructions beginning on page 12 of the 1987 Hazardous Waste Generation and Shipment Report Instructions booklet before completing this form.

Make and complete a photocopy of this form for each hazardous waste generated on site or shipped off site during 1987.

Complete Sections I through IV. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

Sec.
I

A. Waste description
Instruction Page 12

IGNITABLE TANK WASH SOLVENT AND WASTE PAINT.
SOLVENT IS MINERAL SPIRITS.

B. EPA hazardous waste code
Page 12

D001 NA NA NA

C. State hazardous waste code
Page 13

NA NA NA

D. SIC code
Page 13

2851

E. Source code
Page 13

110

F. Waste form code
Page 13

H81

G. Waste minimization results
Page 13

A

Sec.
II

A. Organics
Instruction Page 14

High N
Low P
Test F Note

B. Water
Page 15

High
Low
Note N

C. Total Solids
Page 15

High A
Low B
Note

D. Suspended Solids
Page 15

High A
Low B
Note

E. BTU
Page 16

High
Low
UOM Note D

F. Toxic Metals
Page 16

	Metals	High	Low	Test
1.	<u></u>	<u></u>	<u></u>	<u></u>
2.	<u></u>	<u></u>	<u></u>	<u></u>
3.	<u></u>	<u></u>	<u></u>	<u></u>
4.	<u></u>	<u></u>	<u></u>	<u></u>
5.	<u></u>	<u></u>	<u></u>	<u></u>
6.	<u></u>	<u></u>	<u></u>	<u></u>

G. pH
Page 16

High
Low
Note

H. Flashpoint
Page 16

High °F
Low °F
Note

I. Cyanides
Page 16

High
Low
Test Note

J. Halogens
Page 20

High
Low
Note

K. Radioactive
Page 20

Yes ☐
No ☐
Note

Sec.
III

A. 1986 quantity hazardous waste generated
Instruction Page 20

40

B. 1987 quantity hazardous waste generated
Page 20

37

C. UOM
Page 21

T

D. Density
Page 21

1.25

☒ lbs/gal ☐ g

E. Quantity hazardous waste on site on January 1, 1987
Page 21

10

F. Quantity hazardous waste remaining on site on December 31, 1987
Page 21

0

Sec.
IV

A. EPA ID No. of facility to which waste was shipped
Instruction Page 22

MD0096863194

B. Number of
shipments
Page 22

2

C. Transport
mode
Page 22

H

D. Off-site T/S/D/R code
Page 22

M72 M29

E. Total quantity shipped
Page 22

37

Comments: SEC. III E. WASTE ALLOWED TO SETTLE (TO FACILITATE WASTE MINIMIZATION)
IN 55 GALLONS - CLEAR SOLVENT DECANTED AND REUSED. - REMAINING SLUDGE
SOLIDIFIED WITH CLAY AND DISPOSED IN APPROVED LANDFILL.

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME

McCormick Paint Works Co

2355 LEWIS AVE ROCKVILLE MD 20851

EPA ID NO.

M, D, D, O, O, 3, 2, 4, 8, 2, 7, 5



MARYLAND HAZARDOUS AND
SOLID WASTE MANAGEMENT
ADMINISTRATION

1987 Hazardous Waste Generation
and Management Report

WASTE GENERATION AND
MANAGEMENT

FORM
GM

WHO MUST COMPLETE THIS FORM?

Form GM must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1987.

☐

Mark ☒ if you are not required to complete Form GM.

INSTRUCTIONS:

Please read the detailed instructions beginning on page 12 of the 1987 Hazardous Waste Generation and Management Report Instructions booklet before completing this form.

Make and complete a photocopy of this form for each hazardous waste generated on site or shipped off site during 1987.

Complete Sections I through IV. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

Sec.
I

A. Waste description
Instruction Page 12

IGNITABLE TANK WASH SOLVENT AND WASTE PAINT, SOLVENT
IS MINERAL SPIRITS.

B. EPA hazardous waste code
Page 12

D901

NA

NA

NA

C. State hazardous waste code
Page 13

NA

NA

NA

D. SIC code
Page 13

2851

E. Source code
Page 13

10

F. Waste form code
Page 13

H31

G. Waste minimization results
Page 13

A

Sec.
II

A. Organics
Instruction Page 14

High ☒
Low ☒
Test ☒ Note ☐

B. Water
Page 15

High ☐
Low ☐
Note ☒

C. Total Solids
Page 15

High ☒
Low ☒
Note ☐

D. Suspended Solids
Page 15

High ☒
Low ☒
Note ☐

E. BTU
Page 15

High ☐
Low ☐
UOM ☐ Note ☒

F. Toxic Metals
Page 16

Metal	High	Low	Test
1. <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

G. pH
Page 16

High ☐
Low ☐
Note ☒

H. Flashpoint
Page 16

High 105 °F
Low ☐
Note ☐

I. Cyanides
Page 16

High ☒
Low ☐
Test ☐ Note ☐

J. Halogens
Page 20

High ☒
Low ☐
Note ☐

K. Radioactive
Page 20

Yes ☐
No ☒
Note ☐

Sec.
III

A. 1986 quantity generated
Instruction Page 20

40

B. 1987 quantity generated
Page 20

37

C. UOM
Page 21

T

D. Density
Page 21

12.5
☒ lbs/gal ☐ sg

E. Waste origin
Page 21

Code A

On-site ☐
T/S/D/R code ☐

F. On-site T/S/D/R code
Page 21

1. 901 2. P11 3. 999 4. 202 5. NA 6. NA 7. NA 8. NA

Sec.
IV

A. EPA ID No. of facility to which waste was shipped
Instruction Page 22

MID096963194

B. Number of shipments
Page 22

2

C. Transport mode
Page 23

H

D. Off-site T/S/D/R code
Page 23

M72 M20

E. Total Quantity shipped
Page 23

37

Comments: WASTE ALLOWED TO SETTLE IN 55 G. DRUMS, CLEAR SOLVENT DECANTERED
AND REUSED - REMAINING SLUDGE SOLIDIFIED WITH CLAY AND DISPOSED
IN LANDFILL (APPROVED)

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME

Mc GERNER PAINT WORKS CO
2355 LEWIS AVE ROCKVILLE MD 20851

EPA ID NO.

11 D P O P 3 2 4 8 2 7 5



MARYLAND HAZARDOUS AND
SOLID WASTE MANAGEMENT
ADMINISTRATION

1987 Hazardous Waste Generation
and Management Report

FORM

OI

OFF-SITE IDENTIFICATION

WHO MUST COMPLETE THIS FORM?

Form OI must be completed by every site that shipped hazardous waste off site and every site that received hazardous waste from off site during 1987.

Mark ☒ If you are not required to complete Form OI.

INSTRUCTIONS:

Please read the detailed instructions beginning on page 27 of the 1987 Hazardous Waste Generation and Management Report Instructions booklet before completing this form.

Complete A through E for each off-site installation to which you shipped waste or from which you received waste during 1987.

Complete A through D for every transporter you used during the reporting year.

Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable. Make and complete additional copies of this form if you need to identify more than four off-site installations or transporters.

Site 1	A. EPA ID No. of off-site installation or transporter Instruction page 27 11 D P O P 3 2 4 8 2 7 5	B. Name of off-site installation or transporter Page 27 Mc GERNER PAINT WORKS CO
C. Site type code Page 28 1	D. Site relationship code Page 28 1	E. Address of off-site installation Page 28 Street _____ City _____ State _____ Zip Code _____
Site 2	A. EPA ID No. of off-site installation or transporter Instruction page 27 	B. Name of off-site installation or transporter Page 27
C. Site type code Page 28 	D. Site relationship code Page 28 	E. Address of off-site installation Page 28 Street _____ City _____ State _____ Zip Code _____
Site 3	A. EPA ID No. of off-site installation or transporter Instruction page 27 	B. Name of off-site installation or transporter Page 27
C. Site type code Page 28 	D. Site relationship code Page 28 	E. Address of off-site installation Page 28 Street _____ City _____ State _____ Zip Code _____
Site 4	A. EPA ID No. of off-site installation or transporter Instruction page 27 	B. Name of off-site installation or transporter Page 27
C. Site type code Page 28 	D. Site relationship code Page 28 	E. Address of off-site installation Page 28 Street _____ City _____ State _____ Zip Code _____

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME

McGernick Print Works Co

2355 Lewis Ave, Rockville MD 20851

EPA ID NO.

MD D0032481275



FORM
WM

MARYLAND HAZARDOUS AND
SOLID WASTE MANAGEMENT
ADMINISTRATION

1987 Hazardous Waste Generation
and Management Report

WASTE MINIMIZATION (RED)

PART I

WHO MUST COMPLETE THIS FORM?

Form WM Part I, describing efforts undertaken to implement waste minimization programs, must be completed by all generators required to file an Annual/Biennial Report. This requirement was established in response to statutory provisions included in the Hazardous and Solid Waste Amendments of 1984 (HSWA).

NOTE: Generators shipping hazardous waste off site are required to certify, on Item 18 of the Uniform Hazardous Waste Manifest, that they have a program in place to reduce, to the degree determined economically practicable, the volume and toxicity of hazardous waste generated. A similar certification must also be made by generators who have obtained a RCRA treatment, storage, or disposal permit. Consistent with these certification requirements, generators must report, on Form WM Part I, the efforts undertaken to implement waste minimization programs.

INSTRUCTIONS:

Please read the detailed instructions on page 29 of the 1987 Hazardous Waste Generation and Management Report Instructions booklet before completing this form.

Answer questions 1 through 10. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

1. Did this site create or expand a source reduction and recycling program?

	1987		1986		Prior Years	
	Yes	No	Yes	No	Yes	No
Create	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Expand	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Did this site have a written policy or statement that outlined goals, objectives and methods for source reduction and recycling of hazardous waste?

	1987	1986	Prior Years
Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. What was the dollar amount of capital expenditures (plant and equipment) and operating costs devoted to source reduction and recycling of hazardous waste? ENTER ZERO (0) IF NONE.

	1987	1986	Prior Years
Capital expenditures	\$ <u>NA</u>	\$ <u>NA</u>	\$ <u>NA</u>
Operating costs	\$ <u>50,000</u>	\$ <u>50,000</u>	\$ <u>50,000</u>

4. Did this site have an employee training program or provide incentives (bonuses, awards, personal recognition, etc.) to identify and implement source reduction and recycling opportunities and activities?

	1987		1986		Prior Years	
	Yes	No	Yes	No	Yes	No
Training	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Incentives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5. Did this site conduct a source reduction and/or recycling opportunity assessment or audit? Note: an opportunity assessment or audit is a procedure that identifies practices that can be implemented to reduce the generation of hazardous waste or the quantity which must subsequently be treated, stored or disposed.

	1987		1986		Prior Years		ORIGINAL (RED)
	Yes	No	Yes	No	Yes	No	
Site-Wide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Process-Specific	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

6. Did this site identify or implement new SOURCE REDUCTION opportunities to reduce the volume and/or toxicity of hazardous waste generated at this site?

	1987		1986		Prior Years	
	Yes	No	Yes	No	Yes	No
Identify	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Implement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

7. What factors have delayed or prevented Implementation of SOURCE REDUCTION opportunities. MARK ☒ NEXT TO ALL THAT APPLY.

- ☐ a. Insufficient capital to install new source reduction equipment or implement new source reduction practices.
- ☐ b. Lack of technical information on source reduction techniques, applicable to my specific production processes.
- ☐ c. Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment.
- ☒ d. Concern that product quality may decline as a result of source reduction.
- ☒ e. Technical limitations of the production processes.
- ☐ f. Permitting burdens.
- ☐ g. Other (SPECIFY) _____

8. Did this site identify or implement new RECYCLING opportunities to reduce the volume and/or toxicity of hazardous waste generated at this site or subsequently treated, stored, or disposed of on site or off site?

	1987		1986		Prior Years	
	Yes	No	Yes	No	Yes	No
Identify	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Implement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

RECEIVED

APR 11 1988

Hazardous Waste Division

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME McCormick Paint Works Co.

2355 LEVIST AVE. ROCKVILLE MD 20851

EPA ID NO. MD, D, 003, 248, 275



MARYLAND HAZARDOUS AND
SOLID WASTE MANAGEMENT
ADMINISTRATION

1987 Hazardous Waste Generation
and Management Report

FORM
WM

WASTE MINIMIZATION

PART II

WHO MUST COMPLETE THIS FORM?

Form WM Part II must be completed only by generators that engaged in an activity during 1987 that resulted in waste minimization.

Waste minimization means:

- (1) reduction in the volume and/or toxicity of hazardous waste generated as a result of source reduction; and/or,
- (2) reduction in the volume and/or toxicity of hazardous waste subsequently treated, stored, or disposed as a result of on-site or off-site recycling.

☐

Mark ☒ and do not complete this form if no waste minimization results were achieved during 1987.

INSTRUCTIONS:

Please read the detailed instructions beginning on page 30 of the 1987 Hazardous Waste Generation and Management Report Instructions booklet before completing this form.

Make and complete a photocopy of this form for each hazardous waste minimized in 1987.

Complete Sections I through IV. Throughout this form enter "OK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

Sec. I	A. EPA hazardous waste code Instruction Page 31 <u>D001</u>	B. State hazardous waste code Page 31 <u>NA</u>	C. Product or service description Page 31 <u>PAINT MANUFACTURE</u>	D. Product or service SIC code Page 31 <u>2851</u>
E. Waste form code Page 31 <u>481</u>	F. UOM Page 32 <u>1</u>	G. Density Page 32 <u>11.5</u> <input checked="" type="checkbox"/> lbs/gal <input type="checkbox"/> kg	H. Source description: Page 32 <u>CLEANING MIXING TANKS</u>	I. Source code Page 32 <u>10</u>

Sec. II	A. 1986 quantity generated Instruction Page 33 <u>40</u>	B. 1987 quantity generated Page 33 <u>37</u>	C. Production ratio Page 33 <u>113</u>	D. Toxicity change code Page 35 <u>0</u>
E. Waste minimization: recycling Page 35 Code 1. <u>0</u> 2. <u> </u> Quantity recycled <u>NA</u>		F. Waste minimization: source reduction Page 35 Code 1. <u>5</u> 2. <u> </u> 3. <u> </u> Quantity prevented <u>15</u>		

Sec. III	A. Narrative description of waste minimization project or activity and results achieved Instruction Page 43 <u>MAXIMIZED BATCH SIZE, OPTIMIZED PRODUCTION MIX TO MINIMIZE TANK CLEANING</u>
----------	---

Sec.
IV.Instructions: Answer questions 1 through 4. Mark ☒ next to the effects produced by the source reduction and/or recycling activity reported on this form in Sections I through III.

1. What effect did this site's source reduction and/or recycling activity have on the quantity of water effluent produced by hazardous waste generation processes during 1987?
- ☐ a. Increase in the quantity of water effluent
- ☐ b. Decrease in the quantity of water effluent
- ☒ c. No effect on the quantity of water effluent
- ☐ d. Don't know
2. What effect did this site's source reduction and/or recycling activity have on the toxicity of water effluent produced by hazardous waste generation processes during 1987?
- ☐ a. Increase in the concentration of hazardous constituents
- ☐ b. Decrease in the concentration of hazardous constituents
- ☒ c. No effect on the concentration of hazardous constituents
- ☐ d. Don't know
3. What effect did this site's source reduction and/or recycling activity have on the quantity of air emissions produced by hazardous waste generation processes during 1987?
- ☐ a. Increase in the quantity of air emissions
- ☐ b. Decrease in the quantity of air emissions
- ☒ c. No effect on the quantity of air emissions
- ☐ d. Don't know
4. What effect did this site's source reduction and/or recycling activity have on the toxicity of the air emissions produced by hazardous waste generation processes during 1987?
- ☐ a. Increase in the concentration of hazardous constituents
- ☐ b. Decrease in the concentration of hazardous constituents
- ☒ c. No effect on the concentration of hazardous constituents
- ☐ d. Don't know

Comments:

NO WATER WASTE PRODUCED

RECEIVED

APR 11 1988
Hazardous Waste Division

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME

McCORMICK PAINT WORKS CO
2355 LEWIS AVE ROCKVILLE MD 20851

EPA ID NO.

MD D 003248275



MARYLAND HAZARDOUS AND
SOLID WASTE MANAGEMENT
ADMINISTRATION

1987 Hazardous Waste Generation
and Management Report

FORM
PS

(RED)
WASTE TREATMENT, STORAGE,
DISPOSAL, OR RECYCLING
PROCESS SYSTEMS

WHO MUST COMPLETE THIS FORM?

Form PS must be completed by every site that, during 1987, had one or more hazardous waste management systems, existing or under construction, composed of: (1) treatment, storage, disposal, or recycling processes subject to RCRA interim status or permit requirements; or (2) treatment, disposal, or recycling processes exempt from RCRA interim status or permit requirements.

INSTRUCTIONS:

Please read the detailed instructions beginning on page 44 of the 1987 Hazardous Waste Generation and Management Report Instructions booklet before completing this form.

Make and complete a photocopy of this form for each hazardous waste treatment, storage, disposal or recycling system operated or under construction during 1987.

Complete Sections I through IV. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.

Sec. I	A. Waste treatment, storage, disposal or recycling system description Instruction Page 57 STORE PAINT WASTE IN DRUMS DECANT OFF SEPARATED SOLVENT AND REUSE SOLIDIFY RESIDUE AND SHIP DRUM TO APPROVED LANDFILL			B. System Identification Page 57 Number Letter 11-X	
	C. On-site T/S/D/R code(s) Page 58 S O I P I I G 9 9 2 0 2 N/A N/A N/A N/A	D. Regulatory status code Page 58 A	E. Operational status Page 58 Code Year A 11987	F. Number of months system was operational during 1987 Page 58 112	G. Type and number of units Page 59 Type Number B 200

Sec. II	A. 1987 Influent quantity Instruction Page 60 Total 617 RCRA 317	B. UOM Page 61 T	C. 1987 solid/sludge residual quantity Page 61 Total 37 RCRA 37	D. 1987 aqueous effluent quantity Page 62 Total 0 RCRA 0
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Sec. III	A. Maximum capacity Instruction Page 63 50	B. Operational capacity Page 64 N/A	C. Limitations on capacity Page 65 N/A 1. 2. 3.	D. Commercial availability code Page 65 D	E. Percent capacity commercially available Page 65 0 %
----------	--	---	--	--	---

Sec. IV	A. Life expectancy Instruction Page 66 N/A Years	B. Expected change in maximum capacity during next 5 years (through 1992) Page 66 <input checked="" type="checkbox"/> Yes (CONTINUE WITH BOX C) <input type="checkbox"/> No (SKIP REMAINING QUESTIONS)	C. Increase or decrease in maximum capacity code Page 66 A
	D. Amount of change Page 67 50	E. Expected year of change Page 67 119 *	F. Future commercial availability code Page 67 D

Comments: * CHANGE GRADUAL

ENVIRONMENTAL PROTECTION AGENCY
GENERATOR ANNUAL HAZARDOUS WASTE REPORT FOR 1986

This report is for the calendar year ending December 31, 1986
Read All Instructions Carefully Before Making Any Entries on Form

I. NON-REGULATED STATUS

Complete this section only if you did not generate regulated
quantities of hazardous waste at any time during the 1986

MDD003248275

MCCORMICK PAINT WORKS INC

2355 LEWIS AVE

ROCKVILLE MD 20851

ATTN: ALLISON GORDON

- 1 Non-handler
2 Small Quantity Generator
4 Exempt
5 Beneficial Use
9 Out of Business

ORIGINAL
(RED)

Please print/type with elite type (12 characters per inch)

This Installation's Non-Regulated Status is Expected to Apply:

II. GENERATOR'S EPA I.D. NUMBER

☐ For 1986 only ☐ Permanently

T/A C
F M D D 0 0 3 2 4 8 2 7 5 T 1
1 2 13 14 15

☐ Other _____

C303 ENTRY (OFFICIAL USE ONLY): ☐

III. NAME OF ESTABLISHMENT

M C C O R M I C K P A I N T W O R K S C O M P A N Y I N C
30 69

IV. ESTABLISHMENT MAILING ADDRESS

3 2 3 5 5 L E W I S A V E
15 16 45

Street or P.O. Box

4 R O C K V I L L E M D 2 0 8 5 1
15 16 41 42 47 51

City or Town

State Zip Code

V. LOCATION OF ESTABLISHMENT (if different than section IV above)

5
15 16 45

Street or Route number

6
15 16 41 42 47 51

City or Town

State Zip Code

VI. ESTABLISHMENT CONTACT

2 A L L I S O N G O R D O N
15 16 45

Name (last and first)

3 0 1 - 7 7 0 - 3 2 3 5
46 55

Phone No. (area code & no.)

VII. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

G. ALLISON

T.D. SECRETARY

1/7/87

Print/Type Name

Title

Signature

Date Signed

ENVIRONMENTAL PROTECTION AGENCY

Generator ANNUAL Hazardous Waste Report for 1986 (cont.)

This report is for the calendar year ending December 31, 1986

Date rec'd: _____ Rec'd by: _____

VIII. GENERATOR'S EPA I.D. NO.

GIMD000324327511
1 2 13 14 15

X. FACILITY'S EPA I.D. NO.

FVAD098443443
16 28

IX. FACILITY NAME (specify facility to which all wastes on this page were shipped)

OLDOVER CORP.

XI. FACILITY ADDRESS

P.O. BOX 68
STATE RD 652
ARVONIA VA 23004

XII. TRANSPORTATION SERVICES USED

OLDOVER CORP

VAD 040159436

XIII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard Code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
1	1	WASTE FLAMMABLE LIQUIDS N.O.S. UN 1993	018	35 38 39 42 46 47 50 51	17	(M)
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					
11	11					
12	12					

XIV. COMMENTS (enter information by section number—see instructions)

Hazardous Waste Division

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

S MID003248275
MCCORMICK PAINT WORKS INC
2355 LEWIS AVE
ROCKVILLE MD 20851
E ATTN: ALLISON GORDON



FORM
IC

MARYLAND HAZARDOUS AND
SOLID WASTE MANAGEMENT
ADMINISTRATION

1987 Hazardous Waste Generation
and Management Report

IDENTIFICATION AND
CERTIFICATION

WHO MUST COMPLETE THIS FORM? Form IC must be completed by every site that received this package.

INSTRUCTIONS: Please read the detailed instructions beginning on page 8 of the 1987 Hazardous Waste Generation and Management Report Instructions booklet before completing this form.
Complete Sections I through IV and Sections VI through IX immediately. Complete Section V, certification, after you have finished the full report package.

SEC. I. Site name and physical location which may differ from the mailing address. Complete Items A through G. Mark <input checked="" type="checkbox"/> for Items A, B, C, D, F, and G if same as label; if different, enter corrections. If label is absent, enter information.			
A. Site/company name Same as label <input checked="" type="checkbox"/> or —		B. EPA ID No. Same as label <input checked="" type="checkbox"/> or —	
C. Address number and street name of physical location - If not known, enter industrial park, building name or other physical location description Same as label <input checked="" type="checkbox"/> or —			
D. City, town, village, etc. Same as label <input checked="" type="checkbox"/> or —	E. County MONTGOMERY	F. State Same as label <input checked="" type="checkbox"/> or —	G. Zip Code Same as label <input checked="" type="checkbox"/> or —

SEC. II. Mailing address of site. Mark <input checked="" type="checkbox"/> for A, B, C, and D if same as label; if different, enter corrections.			
A. Number and street name of mailing address Same as label <input checked="" type="checkbox"/> or —			
B. City, town, village, etc. Same as label <input checked="" type="checkbox"/> or —	C. State Same as label <input checked="" type="checkbox"/> or —	D. Zip Code Same as label <input checked="" type="checkbox"/> or —	

SEC. III. Name, title, and telephone number of the person who should be contacted if questions arise regarding this report.			
A. Please print: Last name ALLISON	First name GORDON	M.I. —	B. Title EXEC. V.P.
C. Telephone 301 770-3235 Extension			

SEC. IV. Enter the Standard Industrial Classification (SIC) Code that describes the principal products, group of products, produced or distributed, or the services rendered at the site's physical location. Enter more than one SIC Code only if no one industry description includes the combined activities of the site. SIC codes are listed beginning on page 1 of the 1987 Hazardous Waste Generation, Shipment and Management Report Codebook.					
A. 2851	B.	C.	D.	E.	F.

SEC. V. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			
A. Please print: Last name ALLISON	First name GORDON	M.I. —	Title EXEC. V.P.
B. Signature 			Date of signature 04/06/88 Mo. Day Yr.

ENVIRONMENTAL PROTECTION AGENCY

Generator ANNUAL Hazardous Waste Report for 1986 (cont.)

This report is for the calendar year ending December 31, 1986

Date rec'd: _____ Rec'd by: _____

VIII. GENERATOR'S EPA I.D. NO.

GIMDD0103124827511
1 2 13 14 15

X. FACILITY'S EPA I.D. NO.

FIMID0191691631194
16 28

IX. FACILITY NAME (specify facility to which all wastes on this page were shipped)

CHEM-MET SERVICES

XI. FACILITY ADDRESS

18550 ALLEN RD
WYANDOTTE MI 48192

XII. TRANSPORTATION SERVICES USED

TRISTATE MOTOR TRANSIT

MDD095038998

XIII. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. DOT Hazard Code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
29	1	WASTE FLAMMABLE SOLID N.O.S. UN1325	09	35 38 39 42 31 34 43 46 47 50 51	23	T
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

XIV. COMMENTS (enter information by section number—see instructions)

Tear out here

OFFICE OF ENVIRONMENTAL PROGRAMS
WASTE MANAGEMENT ADMINISTRATION

Hazardous Waste Generator Waste Reduction Program

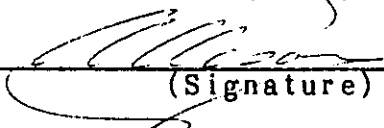
ORIGINAL
(RED)

-Please complete both sides-

Company: McCORMICK PAINT WORKS CO MDD 003248275
(Name) (EPA ID NUMBER)

Mailing Address: 2355 LEWIS AVE. ROCKVILLE 20851
(Name) (City) (Zip Code)

Location of Generator Site: _____
(if different from mailing address)

Contact Person: G. ALLISON 301-770-3235
(Name) (Telephone Number)
 T.D.
(Signature) (Title)

Please provide information about your company's hazardous waste minimization program. (If more space is needed, please answer on a separate sheet of paper and attach it to the questionnaire).

1. Separation

Is your Company's waste collection system designed to decrease the volume of hazardous waste for disposal by separating recyclable from non-recyclable materials?

Yes ☒ No ☐

Is your Company's waste collection system designed to decrease the volume of hazardous waste by keeping hazardous waste separate from non-hazardous waste?

Yes ☒ No ☐

If yes, has the system been improved in the past year to further reduce the amount of hazardous waste for disposal?

Yes ☒ No ☐

What reduction in volume was achieved in the past year?

25% MIN.

ORIGINAL
(RED)

2. Substitution

Has your Company substituted a hazardous material with a non-hazardous or less hazardous material to reduce either the amount or toxicity of hazardous waste generated by your operation?

Yes ☐

No ☒

If yes, when was the substitute introduced, and to what extent has it reduced the toxicity or amount of hazardous waste generated in the last year?

3. Efficiency

Has your Company improved the efficiency of its operations so as to make a waste stream that was sent off-site for disposal available for recycling?

Yes ☒

No ☐

If yes, please describe the improvement and state when it was instituted.

1984-85 RECYCLED 100% WASH WATER

Has your company improved the efficiency of operation so as to reduce the amount of hazardous waste generated?

Yes ☒

No ☐

If yes, please describe the improvement and state when it was instituted.

84-85 LARGER BATCHES WHERE POSSIBLE
LESS WATER OR SOLVENT FOR CLEANUP
PER UNIT PRODUCED

RECEIVED

JUN 12 1987

Hazardous Waste Division

What amount of waste reduction was achieved in the last year?

25% MIN

ORIGINAL
(RED)

4. Recycling on-site

Does your Company's waste reduction program include a hazardous waste recycling operation on-site?

Yes ☒

No ☐

If yes, please briefly describe the recycling operation and state when it was instituted.

RECYCLE WASH WATER
STARTED 1976 - IMPROVED ANNUALLY

What amount of waste reduction was achieved in the last year?

25% MIN

4A. Recycling off-site

Does your Company's hazardous waste reduction program include use of an off-site recycling service?

Yes ☐

No ☒

If yes, please describe the recycling service that you use and state when its use was initiated.

What amount of waste reduction was achieved by use of the off-site recycling services last year?

5. Treatment on-site

Does your Company's hazardous waste reduction program include on-site waste treatment which minimizes the toxicity or amount of hazardous waste generated? (RED)

Yes ☒

No ☐

If yes, please briefly describe the treatment operation and state when it was instituted.

SOLVENT SEPARATED & RECYCLED

SLUDGE SOLIDIFIED

1983

To what extent has the treatment operation reduced toxicity or reduced the amount of hazardous waste generated in the past year?

RECEIVED

JAN 12 1987

Hazardous Waste Division

Do not make alterations in this area

EPA Form 101-85

MARYLAND OFFICE OF ENVIRONMENTAL PROGRAMS GENERATOR ANNUAL HAZARDOUS WASTE REPORT

This report is for the calendar year ending December 31, 1985

ORIGINAL
(RED)

MDD003248275
MCCORMICK PAINT WORKS INC
2355 LEWIS AVE
ROCKVILLE MD 20851
ATTN: ALLISON GORDON

GENERAL INSTRUCTIONS: If you received a preprinted label attached to the mailing envelope in which this form as enclosed, affix it in the space provided. If any of the information on the label is incorrect, draw a line through it and provide the correct information in the appropriate section below. If the information is correct and complete, leave sections I, II, and III below blank. If you did not receive a preprinted label, complete all sections. REFER TO THE SPECIFIC INSTRUCTIONS CONTAINED IN THIS BOOKLET BEFORE COMPLETING THIS FORM. The information requested in this report is required by law (Section 3002 of the Resource Conservation Recovery Act).

Please print/type with elite type (12 characters per inch)

I. GENERATOR'S EPA I.D. NUMBER

MDD003248275

II. NAME OF INSTALLATION

MCCORMICK PAINT WORKS COMPANY INC

III. INSTALLATION MAILING ADDRESS

2355 LEWIS AVE

Street or P.O. Box

ROCKVILLE MD 20851

City or Town

State Zip Code

IV. LOCATION OF INSTALLATION (if different than section III above)

Street or Route number

City or Town

State Zip Code

V. INSTALLATION CONTACT

ALLISON GORDON

Name (last and first)

301-770-3235

Phone No. (area code & no.)

VI. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

G. ALLISON

T.D. SECRETREAS.

Print/Type Name

Title

Signature of Authorized Representative

Date Signed

Do not make entries in shaded areas

MARYLAND OFFICE OF ENVIRONMENTAL PROGRAMS Generator Annual Hazardous Waste Report (cont.)

This report is for the calendar year ending December 31, 1985

Original
(Red)

Date rec'd: _____ Rec'd by: _____

VII. GENERATOR'S EPA I.D. NO.

GIMDD010324827511

VIII. FACILITY NAME (Specify facility to which all wastes on this page were shipped)

CHEMICAL WASTE MANAGEMENT INC.

X. FACILITY ADDRESS

P.O. BOX 55,
EMELLE,
ALABAMA 35459

IX. FACILITY'S EPA I.D. NO.

FALD0000623464

XI. TRANSPORTATION SERVICES USED (List the name and EPA identification numbers of all transporters whose services were used during 1985. This section to be completed only once. Do not repeat on supplemental sheets.)

DELTA TRANSPORTATION SPECIALISTS INC NYD 088658646

XII. WASTE IDENTIFICATION

Sequence #	A. Description of Waste	B. DOT Hazard Code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
1	WASTE FLAMMABLE SOLID	09	DIC01	39	T
2	N.O.S. UN 1325	35	38 39 42	59	HL
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

78000 P

XIII. COMMENTS (enter information by section number—see instructions)

MARYLAND OFFICE OF ENVIRONMENTAL PROGRAMS

GENERATOR ANNUAL HAZARDOUS WASTE REPORT

This report is for the calendar year ending December 31, 1984

PEEL HERE

MEMORANDUM FOR THE RECORD
 DATE: 1/24/85
 TO: [illegible]
 FROM: [illegible]
 SUBJECT: [illegible]

GENERAL INSTRUCTIONS: If you received a preprinted label attached to the mailing envelope in which this form was enclosed, affix it in the space provided. If any of the information on the label is incorrect, draw a line through it and provide the correct information in the appropriate section below. If the information is correct and complete, leave Sections I, II, and III below blank. If you did not receive a preprinted label, complete all sections. REFER TO THE SPECIFIC INSTRUCTIONS CONTAINED IN THIS BOOKLET BEFORE COMPLETING THIS FORM. The information requested in this report is required by law (Section 3002 of the Resource Conservation and Recovery Act).

Please print/type with elite type (12 characters per inch)

I. GENERATOR'S EPA I.D. NUMBER

TAX

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

II. NAME OF INSTALLATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

III. INSTALLATION MAILING ADDRESS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Street or P.O. Box

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

City or Town

State Zip Code

IV. LOCATION OF INSTALLATION (if different than section III above)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Street or Route number

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

City or Town

State Zip Code

V. INSTALLATION CONTACT

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Name (last and first)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Phone No. (area code & no.)

VI. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

G. ALLISON T.D. SECRETARY

Print/Type Name

Title

Signature of Authorized Representative

1/24/85

Date Signed

MARYLAND OFFICE OF ENVIRONMENTAL PROGRAMS

Generator Annual Hazardous Waste Report (cont.)

This report is for the calendar year ending December 31, 1984

Date rec'd: _____ Rec'd by: _____

VII. GENERATOR'S EPA I.D. NO.

GMID000324827511

IX. FACILITY'S EPA I.D. NO.

FAUD000622464

VIII. FACILITY NAME (Specify facility to which all wastes on this page were shipped)

CHEMICAL WASTE MANAGEMENT INC.,

X. FACILITY ADDRESS

P.O. Box 55

EMELLE

ALABAMA 35459

XI. TRANSPORTATION SERVICES USED (List the name and EPA identification numbers of all transporters whose services were used during 1984. This section to be completed only once. Do not repeat on supplemental sheets.)

DET TRANSPORTATION SPECIALISTS, INC.

RED TRUCKING

NYD 088658646

ALD 004031928

XII. WASTE IDENTIFICATION

Sequence #	A. Description of Waste	B. DOT Hazard Code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
1	WASTE FLAMMABLE SOLID	09	D001	2.9	T
2	N.O.S. UN1325	15	D009	4	T
3	HAZARDOUS WASTE SOLID				
4	ORME				
5					
6					
7					
8					
9					
10					
11					
12					

XIII. COMMENTS (enter information by section number—see instructions)

Do not make alterations to this form.

MARYLAND OFFICE OF ENVIRONMENTAL PROGRAMS

GENERATOR ANNUAL HAZARDOUS WASTE REPORT

This report is for the calendar year ending December 31, 1983

ORIGINAL
(RED)

MDD003248275
MCCORMICK PAINT WORKS INC
2355 LEWIS AVE
ROCKVILLE MD 20851

GENERAL INSTRUCTIONS: If you received a preprinted label attached to the mailing envelope in which this form was enclosed, affix it in the space provided. If any of the information on the label is incorrect, draw a line through it and provide the correct information in the appropriate section below. If the information is correct and complete, leave Sections I, II, and III below blank. If you did not receive a preprinted label, complete all sections. REFER TO THE SPECIFIC INSTRUCTIONS CONTAINED IN THIS BOOKLET BEFORE COMPLETING THIS FORM. The information requested in this report is required by law (Section 3002 of the Resource Conservation Recovery Act).

Please print/type with elite type (12 characters per inch)

I. GENERATOR'S EPA I.D. NUMBER

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
F M D D 0 0 3 2 4 8 2 7 5 1 1

II. NAME OF INSTALLATION

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
M C C O R M I C K P A I N T W O R K S C O M P A N Y

III. INSTALLATION MAILING ADDRESS

15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
3 2 3 5 5 L E W I S A V E

Street or P.O. Box

15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
4 R O C K V I L L I E M D 2 0 8 5 1

City or Town

State Zip Code

IV. LOCATION OF INSTALLATION (if different than section III above)

15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
5

Street or Route number

15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
6

City or Town

State Zip Code

V. INSTALLATION CONTACT

15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
2 G A L L I S O N G O R D O N

Name (last and first)

46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
3 0 1 1 7 7 0 3 2 3 5

Phone No. (area code & no.)

VI. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

G. ALLISON

T.D. SEC. TREAS.

Print/Type Name

Title

Signature of Authorized Representative

Date Signed

1/24/84

Do not make entries in shaded areas

MARYLAND OFFICE OF ENVIRONMENTAL PROGRAMS Generator Annual Hazardous Waste Report (cont.)

This report is for the calendar year ending December 31, 1983

Date rec'd: _____ Rec'd by: _____

VII. GENERATOR'S EPA I.D. NO.

I/A C

GIMDD003248275111
1 2 11 14 15

IX. FACILITY'S EPA I.D. NO.

FALPD0006224641
16 28

VIII. FACILITY NAME (specify facility to which all wastes on this page were shipped)

CHEMICAL WASTE MANAGEMENT INC.

X. FACILITY ADDRESS

P.O. Box 55
EMELLE
ALABAMA 35459.

XI. TRANSPORTATION SERVICES USED

(List the name and EPA identification numbers of all transporters whose services were used during 1983. This section to be completed only once. Do not repeat on supplemental sheets.)

CHEMICAL WASTE MANAGEMENT INC. ALD000622464
NATIONWIDE CARRIERS INC. MND006448328
D&J TRANSPORTATION SPECIALISTS INC. NYD088658646

XII. WASTE IDENTIFICATION

Sequence #	A. Description of Waste	B. DOT Hazard Code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
1	WASTE FLAMMABLE SOLID N.O.S. UN. 1325	018	D001	58	T
2	HAZARDOUS WASTE SOLID NA 9189	15	D0018	3	T
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

XIII. COMMENTS (enter information by section number—see instructions)

Tear out here

ORIGINAL
(RED)

APPENDIX D



Kettler Brothers, Inc.
Home Builders & General Contractors

9126 Stewartown Road
Post Office Box 2127
Gaithersburg, Maryland 20879
(301) 948-4000

(RED)

January 11, 1984

Mr. John Kershner, Regional Inspector
Maryland State Waste Management Administration
Enforcement Division
201 West Preston Street
Baltimore, Maryland 21201

Dear Mr. Kershner:

This letter is in reference to your request for information concerning empty drums, marked hazardous waste, that were on one of our construction compounds located near Snouffer School Road in Gaithersburg.

- 1) The drums were obtained from McCormick Paint Works Company in Rockville, Maryland.
- 2) The drums were empty when we obtained them.
- 3) The drums were to be used for mixing cement, storing water for the mixing of mortar and for trash.
- 4) These drums had not as yet been used by Kettler Brothers.
- 5) The drums were left on the exterior of a new compound we were building for storage.

Should you need any additional information, please feel free to contact me.

Very truly yours,

Richard G. Hines

Richard G. Hines
Vice President
Residential Construction

RGH/dbh

RECEIVED

JAN 17 1984

ENFORCEMENT DIVISION

RECEIVED

FEB 3 1984

ENFORCEMENT FILE
FILE COPY ONLY

McCORMICK

PAINT WORKS COMPANY

2355 LEWIS AVENUE • ROCKVILLE, MARYLAND 20851-2391 • 301 770-3235

Barry

January 6, 1984

C. J. G. J. A. L.
(RFD)

State of Maryland
Department of Health & Mental Hygiene
Office of Environmental Programs
201 West Preston Street
Baltimore, Md. 21201

Dear Sirs,

This letter is in reply to the R.C.R.A. incident report/Montgomery County dated 12/14/83 in which empty drums marked with a hazardous waste label were found 50 yards south of Snouffer School Road & Chelsea Knoll Drive intersection and approximately 1000 ft. from the roadway.

After an inspection of our facility by Regional Inspector Mr. John Kershner, I accompanied him to the site of the complaint. Fifteen empty drums, seven of which had a yellow hazardous waste label attached, were lying just outside a newly graded and fenced area in the middle of a large open field. There was no evidence of any material being spilt from the drums. While we were marking these drums (from 1-15) for storage at our plant in Rockville (for State inspection purposes) a truck belonging to Kettler Brothers Inc. (builders) pulled up and the driver asked if this site was the new storage yard for Kettler Brothers. Unable to answer we loaded the empty drums on our truck and brought them back to our plant for safekeeping.

In our manufacturing process and hazardous waste handling program we have an area of empty drums that are not suitable for re-use for one reason or another. Occasionally local builders will request to use some of these old drums for trash drums, mixing cement etc. on construction sites. These particular drums had been given to Kettler Brothers some time previously, at no charge. The location that they were found is Kettler Brothers new storage yard that is just being developed to replace their recently closed yard located on Goshen Road.

RECEIVED

FEB 3 1984

MENT FILE
ONLY

RECEIVED

JAN 22 1984

ENFORCEMENT DIVISION

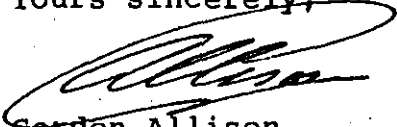
During our hazardous waste handlings we found it more economical to ship solid waste rather than liquid waste to the facility at Emelle, Alabama. Several drums of liquid waste were (RED) transfered to other drums to be solidified and the empties after being scraped clean were placed in among the drums not to be used again. Unfortunately the hazardous labels were not removed. These were some of the empty drums Kettler Brothers were given the last time they needed drums.

We have since inspected our (unfit for re-use) empty drum storage area and found several more with hazardous waste labels on them. We have removed all labels from these drums and will make sure no empty drums leave our plant with labels on them. Hazardous waste labels will be affixed immediately we commence to solidify waste in a given drum, not before, and without waiting for that drum to be totally filled. All other empty drums will be triple rinsed.

I have asked Mr. Richard Hines, Vice President of Residential Construction of Kettler Brothers, Inc. to write to you confirming the fact that they do pick up empty drums from us on occasion and outline what they use them for.

I hope that his letter along with mine will resolve this incident to the States satisfaction. All of the employees of McCormick Paint Works Company are aware of the need to operate in an environmentally sound manner and will work diligently to make sure incidents like this one are not repeated. Kettler Brothers was in no way responsible for this incident, the fault being entirely McCormick Paint Works Company's.

Yours sincerely,



Gordon Allison
Sec/Treas.
Technical Director

GA/jrc

RECEIVED

FEB 3 1984

ENFORCEMENT FILE
COPY ONLY



State of Maryland
Department of the Environment
Hazardous and Solid Waste Management Administration
2500 Broening Highway, Baltimore, Maryland 21224

Report of Observations

18
CRITICAL
(RED)

Type of Inspection/Observations: RCRA Follow-up Date 01/28/91

Facility Name: McCormick Paint Works

Remarks: 2355 Lewis Avenue

Rockville, Md. 20851

MD0003248275

On December 27, 1990, this writer conducted a RCRA, 106 & TCEP inspection at the above mentioned facility and noted that the facility was without a contingency plan, personnel training program and was storing recyclable solvent waste outside the building in an area that does not provide a secondary containment. The base underlying the containers were not free of cracks or gaps and sufficiently impervious.

In addition to these the facility failed to demonstrate that there is a known market for the products which the company tries to manufacture. Specifically, the red oxide paint which is manufactured from sludge collected from different types of color paint.

On the above date I conducted a follow up inspection and noted the following:

1. Recyclable materials which were stored outside are now stored inside the warehouse. Some of the materials were recycled and used by the company to paint their tanks and drums.

2. Mr. Shari Kansal told me that the red oxide paint can be used for steel structures and several companies are selling this material. He also told me that the recycled solvent and sludge can be used to manufacture stains for exterior woods.

3. McCormick Paint have developed a contingency plan and emergency procedures which meets all the requirement of COMAR 26.13.05.04B(1). The facility personnel have completed a personnel training program.

McCormick Paint found to be in compliance with CWS Regulations.

Observer: Josephine Petta

Person Interviewed: _____



RECEIVED

FEB 6 1991

RECEIVED

February 1, 1991

HSWMA
ENFORCEMENT PROGRAM

Mr. Nigussie Retta
Public Health Engineer
Department of the Environment
Hazardous and Solid Waste Management Administration
State of Maryland
2500 Broening Highway
Baltimore, Maryland 21224

Dear Mr. Retta:

This letter is in response to your inspection report of January 10, 1991, to this office requesting information about the market for a finished product made from recycled solvent, dike for storage area and employees' training to handle controlled hazardous substances.

Mr. Retta inspected McCormick Paint Works Company on December 27, 1990; January 2, 1991; January 10, 1991; January 16, 1991 and January 28, 1991. During your inspection I told you about the satellite accumulation of recycled solvent and recycled solvent sludge. We are using recycled solvent (S10) on a daily basis in our paint in place of mineral spirits, which is a raw material for that paint. We have made alkyd paint for our own use for painting our tanks and drums (gray color) from recycled solvent sludge. I also demonstrated to you that with the help of the ACS computer, we can tint to any color. We are also able to make red oxide primer. We supplied our recycled paint to the Loading Dock. The Loading Dock issued us a certified recycled award and letter. Copies of award and letter are enclosed with this letter. Also S10 MSDS are enclosed.

What is recycled solvent? Tank washing with mineral spirits is a principal source of generated recycled solvent. Mineral spirits is a raw material for oil base paint.

We say that recycled solvents are not solid waste when recycled. We can demonstrate this in a couple of ways:

1. We are using recycled solvent from previous batches in the new batch of paints as S10 in place of mineral spirits.
2. If recycled solvent is a dark color, then we leave the drums of recycled solvent for settling. After about 30 days we use the top portion in place of mineral spirits in dark color paint. The recycled sludge we will use for red oxide primer, exterior wood stain or drum gray paint.

Mr. Nigussie Retta
Page Two
February 1, 1991

OR
(HLD)

3. We use recycled solvent for washing tanks.
4. Recently we have made 50 gal of gray alkyd paint from 30 gal recycled solvent sludge. We are using this paint for painting tanks and drums. Formulation is enclosed.
5. We have made a laboratory batch of red oxide primer from recycled solvent sludge for steel structures (Type I red oxide shop paint SSPC-Paint 15). Several companies are selling this type of red oxide primer. (Specification enclosed)
6. We are using dark recycled solvent in our exterior wood stains. This is standard production for our company. Color card is enclosed.

Now there is a question about the containment system. As per Mr. Retta's instructions, we made a dike area in our warehouse #3. Map, design and location are enclosed with this letter. This will be our storage area for recycled solvent with an accumulation of less than 90 days. Raw materials are protected by means of a dike. Containment has a sufficient capacity to contain more than 10% of the volume of containers. The containment has impervious ground. At this time, we have only 9 drums of recycled solvent without settling.

McCormick Paint's goal is zero waste. A large portion of the waste contains the same makeup as raw materials and the paints made. Tank washing is a principal source of generated recycled solvent. Everyone must be responsible for identifying and carry out waste minimization goal. Good house keeping is the easiest and often most inexpensive way to reduce waste. We are also eliminating tank cleanup in between two batches.

Future steps include segregating the solvent wash, so it can be used in the next batch of similar paint. Another project is to develop more formulation for inexpensive metal and wood primers that use some of the waste sludge. We are convincing employees to use a minimum amount of solvent to clean mixers and holding tanks was not easy. Employees were instructed to reuse recycled solvent until finished.

Mr. Nigussie Retta
Page Three
February 1, 1991

ORIGINAL
(MED)

The last question about employees training to handle controlled hazardous substances. Ms. Karen Glantschnig, Safety Coordinator will explain to you in a separate letter.

If you need any additional information, please feel free to contact us. Thank you for your cooperation.

Sincerely,

Shri B. Kansal

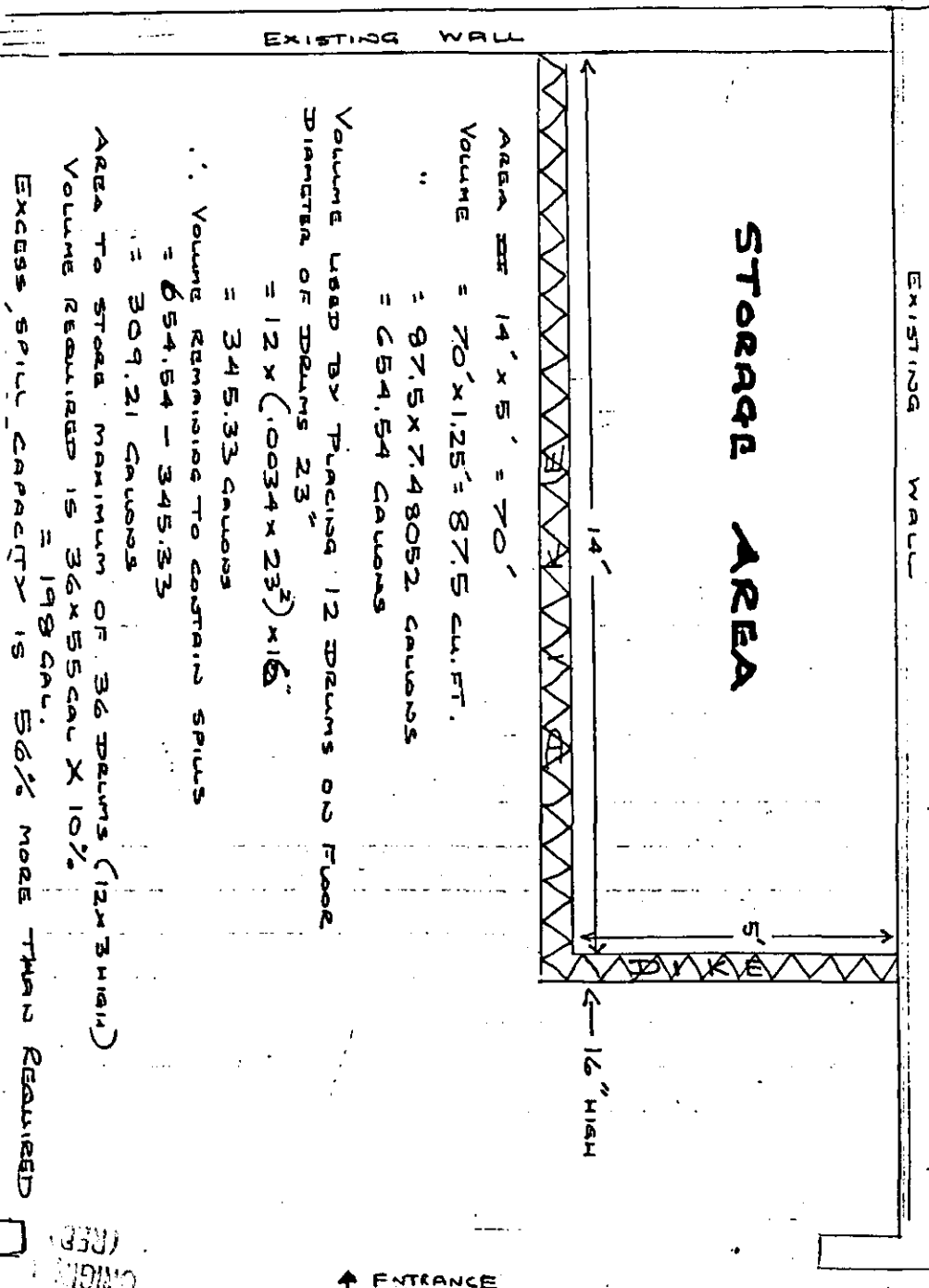
Shri B. Kansal
Chief Chemist

Enclosures
SBK:bb

C.
(G.)

APPENDIX E

MCCORMICK PAINT WORKS CO.
CONTAINMENT
IN
WAREHOUSE #3



7
7
7

EPA REGION III
SUPERFUND DOCUMENT MANAGEMENT SYSTEM

DOC ID #

436514

PAGE #

IMAGERY COVER SHEET
UNSCANNABLE ITEM

Contact the CERCLA Records Center to view this document.

SITE NAME

McDERMICK DAM WORKS

OPERABLE UNIT

00

SECTION/BOX/FOLDER

10 BOX 1 1001

REPORT OR DOCUMENT TITLE

Preliminary Assessment

DATE OF DOCUMENT

1- April - 1992

DESCRIPTION OF IMAGERY

Site Map

NUMBER AND TYPE OF IMAGERY ITEM(S)

1 oversized map